A Compilation of Water Quality Data for Newfoundland and Labrador for the Years 1972-80

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Canadian Data Report of
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by

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ABSTRACT

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Available surface water quality data for insular Newfoundland and Labrador, for the years 1972-80, and from a diverse array of sources, has been assembled in this document. Twelve parameters including pH, alkalinity, conductivity, hardness, calcium, magnesium, sodium, potassium, chloride, sulphate, bicarbonate and colour were selected as the core to this data base. A listing of water quality stations (1060 stations in insular Newfoundland and 410 stations in Labrador) and data is included. Mean values are calculated for all stations with more than one sample. A statistical summary of data by parameter is also included. An analysis of the spatial distribution of the twelve parameters is presented as countour maps. Parameter values (as histograms) are compared between insular Newfoundland and Labrador. The distribution of values for four key parameters (pH, alkalinity, conductivity, and hardness) are compared between the six and five geographic regions in insular Newfoundland and Labrador, respectively.

Key words: water quality, pH, alkalinity, conductivity, hardness, Newfoundland and Labrador.

RÉSUMÉ

Scruton, D. A. 1984. A compilation of water quality data for Newfoundland and Labrador for the years 1972-80. Can. Data Rep. Fish. Aquat. Sci. 441: iv + 284 p.

Le présent document regroupe les données disponibles de diverses sources sur la qualité des eaux de surface de Terre-Neuve et de Labrador pour la période de 1972 à 1980. Le pH, l'alcalinité, la conductivité, la dureté, la couleur et les teneurs en calcium, magnésium, sodium, potassium, chlorure, sulfate et bicarbonate sont les douze paramètres qui ont été choisis pour servir de noyau à cette base de données. Le document contient la liste des stations de mesure de la qualité de l'eau (1060 à Terre Neuve et 410 au Labrador) et les où plus d'un échantillon a été prélevé, et un résumé statistique des données obtenues. Les moyennes sont calculées pour toutes les stations où plus d'un échantillon a été prélevé, et un résumé statistique des données par paramètre est fourni. Une analyse de la distribution spatiale des douze paramètres est présentée sous forme d'une carte en courbes de valeurs identiques. Des historgrammes permettent de comparer les valeurs des paramètres entre Terre-Neuve et le Labrador et les distributions des valeurs de quartre paramètres clés (pH, alcalinité, conductivité et dureté) dans les six régions géographiques de Terre-Neuve et les cinq régions géographiques du Labrador font l'objet d'une comparaison.

Mots clés: qualité de l'eau, pH, alcalinité, conductivté, dureté, Terre-Neuve, Labrador.

INTRODUCTION

Over the past decade many agencies have initiated chemical analyses of the surface waters of Newfoundland and Labrador. All levels of government have participated in inventory and monitoring of lakes and streams. Proponents of major developments have conducted water analyses as a component of environmental impact assessments. The introduction of community water and sewer systems has required the analyses and monitoring of potential water sources and receiving waters. These and similar undertakings have resulted in the availability of a large quantity of water quality data for the province.

The need to consolidate all available water quality data has existed for some time. The Federal Department of Fisheries and the Environment initiated an island wide assessment of water quality in 1972-73 (Jamieson 1974a, b) and conducted a similar but smaller program in Labrador from 1972 to 1978 (Jamieson 1979). Recently, Environment Canada and the Government of Newfoundland and Labrador (1982) produced a compilation of water quality data for the province from 1965 to 1980. This assembly is restrictive however, in that it only includes data entered into NAQUADAT and for stations that have been sampled a minimum of eight times. The data assembly in this document will include stations not entered on NAQUADAT and from which only a single sample has been obtained. This report is intended to compile and present all accessable water quality data for the province from the years 1972 to 1980, as an update to previous compilations and including data from as many sources as possible.

A reliable and comprehensive water quality data base has many applications for potential user groups. A variety of general uses or applications for water quality data is listed below:

1. A reliable data base is critical to evaluating the implications of acid precipitation and in monitoring impacts of continuing and possibly increasing acid deposition. The data base can permit evaluation of changing surface water quality in relation to precipitation quality, bedrock geology, and other modifying influences. Classical acid precipitation studies in Scandinavia and North America have relied on historical data to relate trends in changing water quality to trends in precipitation quality.

2. Water quality data is useful background information for biological and ecological studies. Water quality data can be used in conjunction with other biological data to investigate ecosystem productivity. Major ion levels, nutrient concentrations and acid-base relationships are important considerations in determining the biological potential of fresh waters. Data on certain water quality parameters can also assist in study design. For example, conductivity data can be usefull to assist researchers in selecting the appropriate sampling gear for an electrofishing survey of rivers and streams.

3. Water quality data can play a role in the management and enhancement of the freshwater and anadromous fishery resource. Water quality data, in conjunction with morphometric data, can be used to establish productivity indices (for example the morphoedaphic index) that can in turn, be used to

estimate maximum sustainable yield for a water body or a similar set of water bodies. This information can then be used to establish creel limits or catch quotas as part of a management strategy for particular water bodies.

Background water quality data can also assist in evaluating freshwater systems for their potential in fisheries enhancement programs. For example, several Atlantic salmon rivers in Nova Scotia are no longer capable of supporting natural reproduction of salmon due to low pH as a result of acid precipitation and obviously hold limited potential for enhancement of the salmonid resource. Similarly, rivers in Newfoundland and Labrador can be evaluated for suitability for enhancement, using water quality as a component of the overall assessment. Water quality considerations are an important element in determining the carrying capacity of salmon producing habitat.

4. Water quality data can be useful in monitoring pollution from point sources such as mine tailings, pulp mill effluents, and municipal wastes. Water quality parameters are important in evaluating the neutralizing capacity of receiving waters and susceptability to pollution.

5. Water quality data can serve as useful background information in assessing the impact of major resource developments. For example, water quality analysis is a major component of environmental impact studies related to hydroelectric development, mining operations, major construction projects, fish plant operations, etc. Water quality data is usefull as baseline information, in impact analysis, and as components of a surveillance or monitoring program.

6. Water quality data may also have implications in relation to the potential of a water source for use by industry, municipalities, and other users. The pH of water can, for example, determine the corrosive potential of water sources on metals and other corodable substances used by industry.

7. Surface water quality data is intimately related to surficial geology and as such has been used by geologists in government and industry to aid in mineral exploration and planning.

PARAMETER DESCRIPTIONS

The following is a brief discussion of the parameters selected for inclusion in this report. The description for each parameter includes:

1. definition
2. units of measurement
3. potential sources for the parameter in fresh waters
4. analytical considerations

Information contained in this section was largely found in American Public Health Association et al. (1975); Environment Canada (1979), (1983); Faust and Aly (1981); Hem (1970); McNeely et al. (1979), and Stumm and Morgan (1981).

PH

pH is a measure of the hydrogen ion activity in water, and represents a convenient reference index of the balance between acids and bases in solution. The pH scale is logarithmic and is a measure (logarithm negative base 10) of the hydrogen ion activity in water in moles per liter. The pH scale is expressed from 0 (very acid) to 14 (very alkaline), with a value of 7 corresponding to neutrality of acid/base equilibrium.

pH can be routinely measured both in the field and in the laboratory. Field measured values are generally considered move reliable (depending on the quality of the measuring device) and pH can change considerably between field and laboratory measurement. Storage time, change in temperature, and dissolution of atmosphere gases are some factors which contribute to alteration of pH values between field and laboratory measurement.

pH can be measured both colourmetrically or potentiometrically. Colourmetric measurement involves the use of coloured pH paper or commercially available colour wheels. Potential sources of interference in this measurement include water colour and turbidity and, considering that a certain amount of interpretation in left to the investigator, colourimetric measurements are usually considered less reliable than potentiometrically determined values. Potentiometric measurement of pH is accomplished by pH meters, usually with one or more external electrodes. Meters for field use usually have one electrode (combination electrode), while meters of laboratory quality have two electrodes, a glass electrode for measurement of the sample and a reference electrode that is kept in a reference buffer solution of known pH to facilitate meter calibration. The normal environmental range of pH is between 4.0 and 9.0, although certain circumstances can result in measured levels outside this range.

ALKALINITY

Alkalinity is a measure of the quantitative capacity of water to accept hydrogen ions (H^+), or in other words, is a measure of the ability of water to neutralize an acid. The majority of alkalinity in water is attributable to the carbonate/bicarbonate/carbon dioxide buffering system but other less significant buffering systems may also be present including silicates, phosphates, borates, hydroxides, organic anions, aluminum, etc.

Alkalinity is usually determined in an analytical laboratory although kits for field measurement are available. Recently, the more widespread use of the total infection point method of determining alkalinity (Gran method) has neccessitated the collecting agency performing the required titration within 24 hours of sample collection.

Most laboratories use a two end point titration (methyl-orange alkalinity) and the sample is titrated to pH 4.5 (solution turns to orange) and then to pH 4.2 (solution turns to pink). Alakalinity is then calculated from the amount of acid added to obtain these two end points. Alkalinity is usually expressed

in terms of the equivalents of calcium carbonate ($CaCO_3$) in either milligrams per liter (ppm) or microequivalents per liter. Recently, particularly in relation to acid precipitation studies, there has been a need for precise determination of alkalinity in very dilute waters. The total inflection point method of alkalinity determination (utilizing the Gran titration procedure) provides this precision. The procedure requires that the sample be titrated with a strong acid, with the aliquot of acid added and resulting pH being recorded, such that a minimum of 30 readings are obtained over the pH range 5.5-3.5. The resulting data set is used to calculate alkalinity by regression analysis.

SPECIFIC CONDUCTANCE

Specific conductance or conductivity is a numerical expression of a water's ability to conduct an electrical current. Conductivity is the reciprocal of resistance and is measured in reciprocal ohms per centimeter or micromhos per centimeter (mho $x10^{-6}$/cm) which is equivalent to the currently used microsiemens per centimeter (µS/cm). Conductivity is dependent on the concentration of ionic substances in solution and is a convenient index of the relative ionic concentration between samples. Particular ions (Cl^- and Ca^{+2} for example) have high relative specific conductivities which contribute a greater proportion to total specific conductance, as compared to other ions (SO_4^{-2} HCO_3^- for example). Researchers have demonstrated a high correlation between conductivity and total dissolved solids (TDS), so in the absence of either measurement, the other can be calculated.

Specific conductance can be measured both in the field and in the laboratory using commercially available conductivity meters or bridges (wheatstone bridge) in combination with a measurement electrode (platinum or non-platinum type). Conductivity is temperature dependent so it is important that the sample be brought to the standard 25°C before measurement or, if taken at temperatues other than 25°C, adjusted using standard correction tables. The normal environmental range for conductivity is from 50-500 µS/cm (McNeely et al. 1981) or higher but in extremely dilute waters, conductivity is much less than 50 µs/cm.

HARDNESS

Water hardness has become a standard element in the evaluation of water chemistry, despite the fact that the properties of hardness are difficult to define and the concept of water hardness was developed in relation to its reactions with soap. Hardness cannot be attributed to any single constituent but most of the observed effect with soap results from the presence of two ions, calcium and magnesium, in solution. Hardness is now operationally defined as the concentration of these two ions in solution, with reservations for interferences from other components, and is conventionally expressed in terms of an equivalent concentration of calcium carbonate ($CaCO_3$) in milligrams per liter (ppm) or in microequivalents. Polyvalent metals (such as aluminum, iron, manganse, zinc, etc.) and hydrogen ions can also contribute to measured hardness.

Hardness is determined in the laboratory although commercial kits for field determination are also in use. Hardness can be computed from results obtained from analysis for calcium and magnesium ions or can be determined from a complex titrimetric method (EDTA method). If hardness is computed from calcium and magnesium concentrations, and other cations are present in significant amounts, they must also be included in the computation.

The normal environmental range of hardness is from 0 up to 200 or 300 mg/l ($CaCO_3$) for waters in contact with limestone or gypsum. The standards by which water hardness is judged is summarized in Table 1 (after Thomas and Gale 1973).

CALCIUM

Calcium is a widely distributed alkali-earth metal and is one of the most abundant naturally occurring cations in surface waters and, in many, is the principle cation. The primary sources for this ion in fresh water are geochemical (weathered from rocks and soils) but a small proportion of calcium can be input as sea salt. Calcium concentrations are routinely expressed in milligrams per liter (ppm) of the divalent ion, or as microequivalents.

Calcium is usually measured only in the laboratory. Most laboratories, if equipped, determine calcium by direct aspiration on a flame atomic absorbtion spectrophotometer. Other determinations primarily involve wet chemistry methods including a gravimetric method, and the permanganate and EDTA titrimetric methods (American Public Health Association et al. 1975). The environmental range of calcium in solution is typically up to 15 mg/l, although waters draining carbonate rocks can contain calcium from 30-100 mg/l.

MAGNESIUM

Magnesium is an abundant alkali-earth metal that is primarily derived from geochemical weathering. There is potentially a small input from sea salt aerosols in coastal freshwaters. Calcium and magnesium tend to be linked in discussion of water quality (due to their relationship to water hardness) but magnesium is more readily soluble in water than calcium. Magnesium is rarely present in concentrations greater than calcium, although the two cations can be in about equal abundance in waters draining dolomitic geotypes. Magnesium concentrations are expressed in milligrams per liter (ppm) or as microequivalents.

Magnesium is now routinely measured in the laboratory using direct aspiration on an atomic absorbtion spectrophotometer. Wet chemical methods of determination include a gravimetric method and a photometric method (American Public Health Association et al. 1975). The normal environmental range of magnesium in fresh water is from 0 to 100 mg/l.

SODIUM

Sodium is another abundant and principal alkali-earth metal and is an important cation to biological systems. Most sodium compounds are readily soluble and tend to remain in aqueous solution. Sodium is often found in association with potassium. The primary sources of sodium in fresh water are from airborne sea salts and chemical weathering of rocks and soils, particularly geotypes bearing feldspars. Sodium concentrations are expressed in milligrams per liter (ppm) or as microequivalents.

Sodium is now routinely measured in the laboratory by direct aspiration on a flame atomic absorbtion spectrophotometer, while the principle wet chemistry method is a gravimetric technique. The environmental range of sodium is highly variable, from 1 to over 10,000 mg/l (in waters with saline intrusions) and groundwater sodium concentrations tend to be somewhat higher than their surface water counterparts.

POTASSIUM

Potassium is an important naturally occurring alkali-earth metal and is a vital element to biological systems. Potassium is usually found in low concentrations and often in association with sodium (usually less than sodium with a Na:K ratio of from 2:1 to 3:1). Potassium can be weathered from soils and rocks, and is slightly less common than sodium in igneous rocks but usually more common in sedimentary geotypes. The ion can also be input from airborne sea salts. Potassium does not readily remain in solution and is often incorporated into stable minerals (eg. clays). Potassium concentrations are expressed in milligrams per liter (ppm) or as microequivalents.

Potassium is measured in the laboratory by direct aspiration on a flame atomic absorbtion spectrophotometer or can be determined by a wet chemical titrimetric method. Potassium is usually present in fresh waters in low concentrations, often less than 10 mg/l.

CHLORIDE

Chloride, a member of the halogen group of elements, is a major inorganic anion in surface waters and chloride compounds tend to be highly soluble. Airborne sea spray and salt water intrusions are considered the major source of naturally occurring chloride while chemical weathering of rocks and soils can be a significant contributor in distinct circumstances. Sulphatic, calcareous, and other sedimentary rocks (evaporites) can contribute chloride to fresh waters. Inputs of human origin, such as road salt, are also possible. Chloride concentrations are expressed in milligrams per liter (ppm) or as microequivalents.

Chloride as Cl^- is usually determined in the laboratory using a colormetric method (Thiocyanate) and autoanalyser. Other methods include ion chromotography and a potentiometric method. Chloride concentrations in fresh water is usually low but can be significant in water bodies near coastal

areas. Chloride, in humid regions of the world is usually less than 10 mg/l, while it can range up to 100 mg/l in arid regions, as a result of concentration from evaporation.

SULPHATE

Sulphate is the highly oxidized and predominant inorganic form of sulphur, complexed with oxygen in the anionic state. Sulphate can be produced in terrestrial and aquatic systems through bacterial oxidation. Sulphate can also be contributed to surface waters from weathering and leaching of rocks and soils, input from organic deposits, and from anthropogenic sources such as acid precipitation and dry fallout. Sulphate concentrations are expressed in milligrams per liter (ppm) or as microequivalents.

Sulphate can be measured in the laboratory by direct aspiration on a flame atomic absorbtion spectrophotometer, or by wet chemical methods (gravimetric or turbidimetric) using colourmetric indicators and auto analyzer (automated methythymol blue). Highly coloured waters can interfere with sulphate determination using the MTB method, and a preliminary oxidation step (hydrogen peroxide uv) can be employed to minimize interference. Recently, ion chromatography has been considered the most reliable method of sulphate determination in coloured waters. Sulphate can be found in ranges of from 0 to 1000 mg/l or greater, when concentrated due to evaporation or when geological sources (pyrite, gypsum) are implicated. Sulphate from anthropogenic sources, even in highly polluted areas, usually result in concentrations of less than 25 mg/l.

BICARBONATE

Bicarbonate is the principle ion of concern in buffering systems of most fresh waters (over the range of pH 5.0-8.3) and is calculated from determinations of alkalinity. The carbonate-bicarbonate-carbonic acid buffering system is pH dependent or conversely pH is determined by the amounts of available buffering ions. The principle sources for bicarbonate ion in fresh water is from the dissolution of carbon dioxide and from the weathering of carbonate bearing rocks and soils. Bicarbonate ion is usually expressed in milligrams per liter (ppm) or as microequivalents.

Normal ranges of bicarbonate ion in freshwater is from 0 to 500 mg/l or greater as in limestone rich areas, but normal ranges in dilute waters is from 0 to 25 mg/l.

COLOUR

Colour is a measure of the physical or optical properties of water and is not a direct measurement of chemical constituents. Colour has been correlated to the amount of organic carbon in a sample, and is therefore useful in

evaluating organic constituents in a qualitative sense . Water colour is usually derived from mineral components (such as iron and manganese) and from natural organic compounds.

Two measures of colour are possible; true colour is a measure of dissolved compounds associated with colour (filtered sample) while apparent color is also influenced by suspended particulate matter in the sample. Colour of a sample is determined from visual comparision of the sample with known concentrations of coloured solutions (platinum-cobalt standards) and is expressed as true colour units (TCU) which is identical to platinum cobalt units (Pt-Co). The normal colour range of natural freshwaters, including highly coloured swamps or bogs, is from 0 to 300 TCU, while water with a colour value in excess of 10 TCU is usually readily apparent upon visual inspection.

MATERIALS AND METHODS

DATA ACQUISITION AND ASSEMBLY

The Newfoundland Region of the Department of Fisheries and Oceans, through the Department of Supply and Services, commissioned a study to locate, centralize, and compile all available surface water quality data for lakes and streams in Newfoundland and Labrador for the years 1972-80. A contract was subsequently awarded to a consultant, who was successful in collating a vast quantity of data from a variety of sources. DFO personnel then completed the data base by identifying and retrieving any outstanding major data sources.

Initially all agencies who were believed to be active or have been involved in water sample collection and/or analyses were contacted to gain access to existing information. Appendix 1 contains a listing of all agencies contacted, those who identified available information, and those who forewarded data for inclusion in this report. The list of potential data sources includes all levels of government (municipal, provincial, and federal), crown corporations, industry, private consulting firms, and universities. Environment Canada, Water Quality Branch, complied with all requests for data contained on NAQUADAT (National Water Quality Data Bank). Major published sources of water quality data included Duthie and Ostrotsky (1974); Environment Canada and the Government of Newfoundland and Labrador (1982); Environment Canada (1977); Jamieson (1974a and b, 1979); Jamieson and Brown (1975); Kerekes (1978); Kerekes and Hartwell (1980); Kerekes and Schwinghamer (1975); Morry and Cole (1977); Newfoundland and Labrador Hydro (1976, 1980a and b); Porter et al. (1974); Ryan (1980); Sheppard T. Powell and Associates (1971); and Thomas and Gale (1973).

The consultant was successful in collecting and compiling water quality data from some 686 stations in insular Newfoundland and 301 stations in Labrador (ShawMont Newfoundland Ltd. 1981). Departmental personnel, through additional research, expanded this data base to include 1060 stations on the island of Newfoundland, and 410 stations in Labrador. An alphabetical station listing for insular Newfoundland and Labrador, separately, is contained in Appendix 2. This listing identifies each station by Waldron's River Code, NAQUADAT station number, and location as latitude and longitude. An

explaination of the river code and NAQUADAT number is contained in the preface to Appendix 2.

During the data aquisition phase of this report it became apparent that several water quality parameters were common to analyses conducted by most agencies. The 12 parameters selected for presentation in this report include pH, specific conductance (or conductivity), alkalinity, hardness, calcium, magnesium, sodium, potassium, chloride, sulphate, bicarbonate, and water colour. These parameters are considered classical indicators of water quality and productivity, are components of most routine chemical assessments, and as such were selected as the core to this data base.

It should be noted that additional water quality parameters (not included in this report) are available for a number of stations. These additional data, are stored on NAQUADAT (for stations identified by NAQUADAT number) or may be contained in the DFO water quality data files. Additional parameters that may have been measured include acidity, total nitrogen, ammonia, nitrite, nitrate, total phosphate, ortho-phosphate, turbidity, chemical oxygen demand (COD), biological oxygen demand (BOD), dissolved oxygen, carbon dioxide, carbonate and others. Metals analyzed for include iron, copper, zinc, cadmium, lead, mercury, aluminum, manganese, arsenic, selenium, uranium and others.

ANALYTICAL CONSIDERATIONS

Information contributing to this data assembly has been collected from a wide variety of agencies who have also employed a number of different laboratories for analyses. Collection methods and analytical techniques are therefore not comparable across the data set. Likewise, the analytical methods employed by each laboratory is variable and has evolved to newer, more automated techniques over the eight year span of the data collection.

Despite the variety of participating agencies in water quality studies, it is probable that methods for collection, handling, and storage of water samples is similar between agencies. The methods employed by DFO personnel is presented as an example of standard procedures. A one liter sample bottle, of polyethylene/nalgene construction or similar inert container, is routinely used in sample collection. The sample bottle is usually new or acid washed prior to field use, and is rinsed in the field before collecting the sample. Samples collected are, for the most part, a "discrete grab" sample usually taken at the same location and at the water's surface. Stream or river samples are taken from a flowing section of the river, either along the stream bank, or in the main body of the river. Lake samples are generally taken from the surface of the lake, either along the shoreline or in the many body of the lake (often over the deepest portion). In some instances sampling has been conducted below the water's surface, using collection apparatus such as a Van Dorn or Kemmerer bottle. Other sampling apparatus are employed in water quality studies with a particular objective in mind, particularly when composite or intergrated samples are required. Recently, particularly in acid precipitation studies, tube samplers have been employed to collect a depth integrated sample over the entire water column (Ontario Ministry of Natural Resources 1980). After collection, samples are maintained cool (near 4°C) until shipment to the

analytical laboratory. Environment Canada (1983) has described the standard collection procedures and appropriate storage requirements of a water sample to ensure reliable analyses for each parameter.

In some cases (analysis of chlorophyll a for example) subsamples are frozen either by the collecting agency or upon arrival at the analytical laboratory. Samples for metals analysis are routinely fixed by addition of a strong acid in the field or as soon as possible after collection. Analyses of water for some parameters requires rigorous standards in field collection and handling procedures. Biological oxygen demand (BOD), chemical oxygen demand (COD), and total inflection point (TIP) alkalinity are parameters that require special consideration. Sample titration for TIP alkalinity is routinely conducted by the analytical laboratory unless there is considerable delay between collection and delivery to the laboratory.

There is similarly a smaller variety of agencies or laboratories that have participated in water analysis. These include provincial and federal government laboratories, university facilities (MUN), as well as private organizations or commercial laboratories. It is difficult to determine and present the methodologies used by all laboratories contributing to this data set, particularly when considering the evolution of sophisticated and/or automated methods of water analyses over the span of the data set. Data contained on the NAQUADAT system is prefixed by a six digit code which defines the analytical methods used in measurement of each parameter (Environment Canada 1981). Three laboratories that have had extensive involvement in water analysis in Newfoundland and Labrador include the Department of Fisheries and Oceans (Newfoundland Region, St. John's), the Water Analysis Facility at the Memorial University of Newfoundland, and the Water Quality Branch of Environment Canada (Atlantic Region, Moncton, N.B.). A comparison of analytic methodologies presently employed by these three laboratories is presented in Table 2.

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Table 1. Hardness of fresh water.

Hardness as $CaCO_3$ (mg/l)	Degree of Hardness
0-30	very soft
31-60	soft
61-120	moderately soft
121-180	hard
>180	very hard

Table 2. Analytical methods employed by three laboratories involved in water analysis in Newfoundland and Labrador, 1972-80.

Parameter	Department of Fisheries and Oceans, Newfoundland Region, St. John's, Nfld. (1972 to 1979)	Memorial University of Newfoundland, Water Analysis Facility, St. John's, Nfld. (1975 to present)	Environment Canada, Inland Waters Directorate, Water Quality Branch, Atlantic Region, Moncton, N.B.[a] (1972 to present)
pH	Electometric measurement on Corning model 10 pH meter, Corning Digital 109 meter, or Orion model 401 meter - with glass/reference electodes	Electrometric measurement on Fisher Accumet 520 pH meter with glass/reference electrodes	Electrometric measurement on Radiometer model 28 ph meter - glass/reference electrodes
Alkalinity (Total)	a) Potentiometric titration (2 end point) with colorimetric determination of end points	a) Potentiometric titration (2 end point) with colorimetric determination of end points	a) Potentiometric titration (2 end point) with colorimetric determination of end points
(Total Inflection Point)	b) Potentiometric titration to pH 3.50 with computer analysis of data set	b) Potentiometric titration to pH 3.50 with computer analysis of data set	b) Potentiometric titration to pH 3.50 with computer analysis of data set
Specific Conductance	Measurement on Radiometer CDM2 meter or YSI conductivity bridge	Measurement on Conductivity meter or wheatstone bridge, with pt electrodes	Measurement on Radiometer CDM2 with conductivity cell
Hardness	Hach "Man Ver" hardness test	a) Calculated from calcium and magnesium	a) Calculated from calcium and magnesium
		b) EDTA titrimetric method	b) EDTA titrimetric method

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Table 2. (Cont'd.)

Parameter	Department of Fisheries and Oceans, Newfoundland Region, St. John's, Nfld. (1972 to 1979)	Memorial University of Newfoundland, Water Analysis Facility, St. John's, Nfld. (1975 to present)	Environment Canada, Inland Waters Directorate, Water Quality Branch, Atlantic Region, Moncton, N.B.[a] (1972 to present)
Calcium	Atomic absorbtion spectrophotometry (direct aspiration) - on Jarrel-Ash AA	Atomic absorbtion spectrophotometry (direct aspiration) on Varian AA	a) Atomic absorbtion spectrophotometry (direct aspiration) on Perkin-Elmer AA b) EDTA titrimetric method-calculation
Magensium	N.D.[b]	Atomic absorbtion spectrophotometry (direct aspiration) on Varian AA	Atomic absorbtion spectrophotometry (direct aspiration) on Perkin-Elmer AA
Sodium	N.D.	Atomic absorbtion spectrophotometry (flame) on Varian AA	Atomic flame photometry (Technicon Autoanalyzer)
Potassium	N.D.	Atomic absorbtion spectrophotometry (flame) on Varian AA	Atomic flame photometry (Technicon Autoanalyzer)
Chloride	Mecuric-nitrate titrimetric method	Automated ferric cyanate/ thiocyanate with colorimetric determination on Technicon autoanalyzer	Automated thiocyanate with colorimetric determination on Technicon Autoanalyzer

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Table 2. (Cont'd.)

Parameter	Department of Fisheries and Oceans, Newfoundland Region, St. John's, Nfld. (1972 to 1979)	Memorial University of Newfoundland, Water Analysis Facility, St. John's, Nfld. (1975 to present)	Environment Canada, Inland Waters Directorate, Water Quality Branch, Atlantic Region, Moncton, N.B.* (1972 to present)
Sulphate	N.D.	Automated methyl-thymol blue with colorimetric determination on Technicon autoanalyzer	a) Automated methyl-thymol blue with colorimetric determination on Technicon autoanalyzer b) Titrimetry with barium chloride c) Ion chromatography
Bicarbonate	Calculation from total or total inflection point alkalinities	Calculation from total or total inflection point alkalinities	Calculation from total or total inflection point alkalinities
Color	N.D.	Visual comparison with platinum-cobalt standards on a Hellige Aquatester Model 611A	Visual comparison with platinum-cobalt standards

[a]as obtained from Analytical Methods Manual (Environment Canada 1979).

[b]N.D. = not done.

APPENDIX 1: DATA SOURCES

Code	Agency Contacted	Information Available	Information Forewarded
	1. Government		
	Federal		
01	1) Agriculture Canada		
02	2) Energy, Mines and Resources		
	3) Environment Canada		
03	Environmental Protection Service		
04	Inland Waters Directorate	X	X
05	Canadian Wildlife Service	X	X
06	NAQUADAT	X	X
07	4) Fisheries and Oceans	X	X
08	5) Health and Welfare Canada		
09	6) National Research Council		
10	7) Parks Canada	X	X
	Provincial		
	1) Culture, Recreation and Youth		
11	Parks Division		
12	Wildlife Division		
	2) Environment		
13	Water Resources Management	X	X
14	3) Fisheries		
15	4) Forest Resources and Lands	X	X
16	5) Health	X	X
17	6) Mines and Energy	X	X
18	7) Rural, Agricultural and Northern Development		

APPENDIX 1: (Cont'd.)

Code	Agency Contacted	Information Available	Information Forewarded
	Municipal		
19	1) St. John's Metro Board	X	
	2. Crown Corporations		
20	1) Newfoundland and Labrador Hydro	X	X
21	2) Churchill Falls-Labrador Corporation		
22	3) Lower Churchill Development Corporation	X	X
	3. Private Sector		
	Industrial		
23	1) Bowaters Power		
24	2) Bowaters Pulp and Paper	X	
25	3) Golden Eagle		
26	4) Newfoundland Telephone		
27	5) Newfoundland Light and Power		
28	6) Price Newfoundland	X	X
29	7) Upper Trinity South Regional Development Association		
59	8) Brinco (Brinex, CFL Co.)	X	X
	Consulting Industry		
30	1) Adams and Associates		
31	2) Alexander Enterprises		
32	3) Appraisal Associates		

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APPENDIX 1: (Cont'd.)

Code	Agency Contacted	Information Available	Information Forewarded
33	4) Atlantic Engineering	X	X
34	5) Beak Consultants Ltd.	X	X
35	6) Campbell Engineering		
36	7) CBCL Ltd.	X	X
37	8) CECON	X	X
38	9) DelCan	X	X
39	10) Eastern Technical		
40	11) Fenco	X	X
41	12) Geotechnical Associates		
42	13) Harris and Associates		
43	14) Howley Engineering		
61	15) IEC - Terpstra	X	
44	16) Island Engineering	X	X
45	17) Jerrcett and Associates		
46	18) Colin Karasek	X	X
62	19) LGL (formerly ABS) Ltd.	X	
47	20) MacLaren Plansearch	X	
48	21) Newfoundland Design	X	
49	22) New Plan	X	
50	23) Holan Davis and Associates	X	
51	24) Northland Associates Ltd.		

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APPENDIX 1: (Cont'd.)

Code	Agency Contacted	Information Available	Information Forewarded
52	25) Proctor and Redfern		
53	26) Project Management and Design	X	X
54	27) Project Planning and Engineering	X	
55	28) Shawmont Newfoundland Ltd.	X	X
56	29) Sheppard Hedges and Green	X	
57	30) Sheppard T. Powell Associates	X	
	3. University		
58	1) Memorial University		
	Biology Department		
	Chemistry Department		
	Water Analysis Facility	X	X
	Dr. G. K. Winter - Long Harbour Project	X	X
	Dr. G. K. Winter - Shoreline Student Survey	X	X
60	2) University of Minnesota	X	X

APPENDIX 2: STATION LISTING

Preface

Stations from which water samples have been collected for analysis or for which field analyses have been conducted are listed in this appendix. Stations are listed alphabetically and have been arbitrarily assigned a station number, or identifier. Samples collected from the same water body, but by different agencies, have been assigned separate identifiers. Stations are further identified by their NAQUADAT station number (Environment Canada's National Water Quality Data Bank) and by Waldron's River Code, a coding system utilized by Fisheries and Oceans. An explanation of each code is to follow.

The NAQUADAT station number is an identifying code assigned to each station for which water quality data has been entered into the National Water Quality Data Bank (Demayo 1975). The station number is a 15-digit alphanumeric field designed to combine codes for type of aquatic medium, province, and surface location so that the number uniquely describes each sampling location. The first two digits contain a numeric code for type and subtype of water as based on the following table.

Aquatic Medium Code

Type	Code	Subtype	Code
Surface	0	Stream, Channel	0
		Lake	1
		Estuary	2
		Ocean, Sea	3
		Pond	4
		Impounded Reservoir	5
		Unknown	9

For the purposes of this report all data is from surface water samples of the following designations; 00 - stream and river samples, 01 - lake samples, and 04 - pond samples. It is apparent that the designation 04 for pond samples (as defined by a water body with no apparent outlet) has been assigned in error in some cases, probably due to the widespread use of the word "pond" in the place of "lake" in insular Newfoundland. In addition, no stations have been assigned the designation 05 - for impounded reservoir, although several stations are located on water supply or hydroelectric reservoirs. The next two fields are alphabetical characters representing the province, in this case NF for Newfoundland and Labrador. The next four fields are assigned based on the surface water basin index of the Water Survey of Canada. Those four digits consist of a two digit numeric code for basin (01 to 10) and a two digit alphabetic code for sub basin. The last four digits are numerical and are used to indicate the sequential number of the station within the surface basin and

for the given type of aquatic medium. The last subfield consisting of three blanks is presently not in use by the Water Quality Branch.

Waldron's River Code is a seven digit alphanumeric stream code devised by the Resource Development Branch of the Department of the Environment in 1965. The first two digits are used to identify the statistical section that the river mouth is found in (see Fig. 3, Appendix 8). The next four digits are sequential stream and river codes as assigned by the R.D.B. and listed in Waldron (1974). The last digit is a section code and is both numeric (0-9) and alphabetic (A-Z). If there are more than 10 sections of a particular river system, the code converts from numbers to letters (i.e. 10 = A, 11 = B, etc.). There has been some confusion in application of this last digit and some researchers have assigned this seventh field to designate the tributary, numbered sequential from the mouth. Several researchers have also expanded the code from seven to eight digits and assigned the last two numbers to designate tributary number, as there are often ten or more tributaries on major rivers. Waldron's River Code allows for a more refined sorting of data as all information for each drainage system can be colated.

Table 1. Station listing - Insular Newfoundland.

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
01	Adeytown Brook	1613110	N48°05'00"	W53°56'00"	00NF02ZJ1452
02	Anchor Brook	0908940	N49°22'00"	W53°45'00"	00NF02YR1265
03	Anchor Point (Water Supply)	0605220	N51°13'00"	W56°45'30"	01NF02YA3001
04	Angels Cove Brook	2902710	N47°00'00"	W54°07'55"	00NF02ZK1378
05	Aquaforte River	2617510	N47°00'35"	W52°59'10"	00NF02ZM1475
1017	Axe Pond	0105880	N51°34'02"	W55°32'07"	
08	Back of Pond	1814990	N47°40'00"	W53°30'00"	01NF02ZL3002
06	Back River (Biscay Bay)	2700220	N46°44'40"	W53°16'40"	00NF02ZN1544
07	Back River (Tributary of Little Harbour River)	2801650	N47°12'00"	W53°22'00"	00NF02ZN1532
09	Baie Verte River	0504040	N49°55'20"	W56°14'00"	00NF02ZM1488
1007	Bakers Brook	4504120	N49°38'48"	W57°52'51"	00NF02YH0008
10	Bakers Brook	4504120	N49°39'00"	W57°57'00"	00NF02YH1215
11	Bakers Brook		N49°38'48"	W57°52'52"	00NF02YH0008
12	Bakers Brook Pond	4504120	N49°39'45"	W57°48'35"	
13	Bally's Pond		N49°35'12"	W56°10'36"	01NF02YM3001
14	Bannerman Lake	2113810	N47°40'27"	W53°17'00"	01NF02ZL3001
15	Bannerman River	2113810	N47°40'15"	W53°15'50"	00NF02ZL1417
18	Barachois Brook (Gros Morne National Park)	4503910	N49°26'01"	W57°45'00"	
17	Barachois Brook (Port aux Basques)	3820250	N47°37'05"	W59°13'20"	00NF02ZB1306
16	Barachois Brook (Robinsons)	4000900	N48°13'10"	W58°45'50"	00NF02ZA1295
19	Bare Rock Pond	1110430	N48°38'12"	W53°49'00"	01NF02YS3001
20	Barneys Brook	0605641	N49°25'05"	W56°08'45"	00NF02ZP1255
21	Barneys Pond	1210640	N48°33'30	W53°50'30"	01NF02YS0017
1194	Barren Pond	4502430	N49°45'55"	W57°33'50"	
22	Barters Brook	4503900	N49°27'46	W57°45'16"	
23	Bauld Mountain Brook	0300830	N48°07'00	W58°47'00"	00NF02ZA3000
24	Bauline Brook	3116550	N47°43'00	W52°50'00"	00NF02ZM1454
25	Bay Bulls Big Pond	2516940	N47°25'00	W52°46'42"	04NF02ZM1495
26	Bay Bulls Big Pond	2516940	N47°25'00	W52°46'43"	
27	Bay de L'Eau River	3105760	N47°30'30	W54°43'45"	00NF02ZG1347
28	Bay de L'Eau River (Station 1)	3105760	N47°31'00	W54°41'00"	00NF02ZG3001
29	Bay de L'Eau River (Station 2)	3105760	N47°31'00	W54°44'00"	00NF02ZG3002

. . . Cont'd.

Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
30	Bay de L'Eau River (Station 3)	3105760	N47°26'00	W54°47'30"	00NF02ZG3003
31	Bay du Nord River	3410790	N47°44'48	W55°26'30"	00NF02ZF0009
32	Bay Side (Water Supply)	0403360	N49°32'00	W56°52'00"	01NF02YG3000
33	Beachside Pond	0605300	N49°38'42	W55°54'12"	
34	Bear Cove Book	4000020	N47°40'15	W59°18'15"	00NF02ZB1305
35	Beaver Brook (Roddickton)	0401690	N50°54'51	W56°09'27"	00NF02YD0001
36	Beaver Brook (Witless Bay Line)	2517140	N47°20'05	W52°55'10"	00NF02ZM1463
37	Beckford River	2802350	N46°54'00	W53°54'55"	00NF02ZK1393
38	Bell Island (Unnamed source)		N47°31'00	W52°57'00"	
40	Bell Pond (Bell Island)		N47°37'00	W52°59'00"	01NF02ZMD011
41	Bell Pond (Old Perlican Water Supply)	1915350	N48°04'45"	W53°00'30"	01NF02ZL3016
39	Bellman's Pond	0908611	N49°10'50	W54°39'10"	01NF02YQ0001
42	Bermuda Lake	2802210	N47°03'00"	W53°47'00"	01NF02ZK1397
43	Bernards Brook	3613350	N48°00'00"	W55°36'00"	01NF02ZE1316
1195	Berry Head Pond	4504111	N49°38'15"	W57°57'20"	
44	Berry Hill Pond	4504100	N49°36'25"	W57°55'15"	
45	Big Bad Pond	2801920	N47°17'55"	W53°25'15"	04NF02ZN1534
46	Big Barachois River (Placentia Bay)	2902820	N47°03'00"	W55°47'00"	00NF02ZK1396
47	Big Barachois River (St. Mary's Bay)	2802210	N47°06'05"	W53°46'30"	00NF02ZK1387
50	Big Brook Reservoir (Terrenceville)	1009130	N47°39'00"	W54°43'30"	00NF02ZG3004
48	Big Brook (New Chelsea)	1815250	N48°02'00"	W53°13'00"	00NF02ZL1402
49	Big Brook (Terra Nova National Park)	1110570	N48°36'30"	W53°59'05"	00NF02YS1285
51	Big East River	4704840	N50°47'50"	W57°10'15"	00NF02YC1205
52	Big Goose Pond	1714890	N47°27'00"	W53°30'48"	01NF02ZK3019
53	Big Jersey Pond	1613390	N47°54'00"	W55°46'00"	01NF02ZE3002
60	Big Pond	3818800	N47°50'55"	W58°13'20"	01NF02ZB0001
54	Big Pond (Adeytown)	1613110	N48°03'00"	W53°55'00"	01NF02ZJ3004
55	Big Pond (Bartlett's Harbour)	0605090	N50°56'30"	W56°59'24"	01NF02YC3002
1221	Big Pond (Burin)	0606800	N47°03'00"	W55°10'00"	
56	Big Pond (Cooks Harbour)	0605660	N51°36'30"	W55°53'00"	01NF02YA3007
57	Big Pond (Cow Head)	4404530	N48°55'00"	W57°42'00"	01NF02YE3002
58	Big Pond (Lake) (Snook's Arm)	0604640	N49°49'00"	W55°56'00"	01NF02YP0002

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
59	Big Pond (Terra Nova National Park)	1110620	N48°32'30"	W53°54'30"	01NF02YS0013
61	Big Salmonier Brook	2306950	N47°00'15"	W55°13'25"	00NF02ZG1332
62	Big Salmonier Brook	3206950	N47°04'00"	W55°13'00"	00NF02ZG1325
63	Big Triangle Pond	2216220	N47°20'00"	W53°12'00"	04NF02ZM1453
64	Birchy Bay Brook	1008290	N49°21'00"	W54°45'00"	00NF02YO1240
65	Birchy Lake	4402430	N49°20'20"	W56°41'50"	01NF02YK1290
66	Birchy Lake	4402430	N49°31'35"	W47°07'00"	01NF02YL0002
1193	Black Cliff Pond	4502430	N49°46'25"	W57°32'45"	
1014	Black Duck Brook	0105920	N51°35'47"	W55°32'10"	
971	Black Duck Pond	0105920	N51°34'49"	W55°31'48"	
1222	Black River	3105210	N47°13'00"	W55°22'00"	
69	Black River	3105210	N47°13'00"	W55°22'00"	
72	Black River Pond	1613380	N48°01'00"	W54°03'00"	04NF02ZH1350
70	Black River (Aquaforte)	2617490	N47°00'05"	W52°59'10"	00NF02ZM1476
68	Black River (Clarenville)	1630380	N47°35'00"	W54°09'50"	00NF02ZH1352
71	Black River (St. Mary's Bay)	2801692	N47°13'00"	W53°23'00"	00NF02ZN1548
67	Blackhead Brook	2115660	N47°50'40"	W53°05'55"	00NF02ZL1418
73	Blast Hole Pond	2316500	N48°38'12"	W52°50'56"	00NF02ZM3002
74	Blast Pond River	2316500	N48°38'12"	W52°50'56"	00NF02ZM3002
75	Blown Hole Pond		N47°07'56"	W55°46'05"	01NF02ZM3014
76	Blue Cove Reservoir	4905150	N51°06'00"	W56°52'00"	01NF02YA3005
986	Bluehill Pond South	1110280	N48°36'00"	W53°56'00"	01NF02YS0031
77	Bluehill Pond (Terra Nova National Park)	1110280	N48°36'00"	W52°56'00"	01NF02YS0018
78	Boat Harbour River	3105840	N46°26'55"	W54°51'05"	00NF02ZG1346
1198	Bog Pond	4604220	N49°48'30"	W57°51'40"	
81	Bog Pond (Southwest) (Terra Nova National Park)	1110750	N48°31'00"	W53°53'10"	01NF02YS0007
79	Bog Pond (Terra Nova National Park)	1110750	N48°29'30"	W54°08'00"	01NF02YS0021
80	Bog Ponds (North) (Terra Nova National Park)	1110750	N48°31'00"	W53°52'30"	01NF02YS0006
83	Bottom Brook	4101150	N48°31'00"	W58°16'00"	00NF02ZA3002
1008	Bottom Brook (Bonne Bay)	4101150	N49°35'15"	W57°54'45"	00NF02YH1216
85	Bottom Creek	4504080	N49°35'20"	W57°55'14"	
84	Bottom Creek	4504080	N49°34'31"	W57°53'47"	00NF02YH0010

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
82	Bottom Pond	4504080	N49°35'15"	W57°54'45"	00NF02YH1216
86	Bound Brook	4604660	N50°20'15"	W57°32'00"	00NF02YE1210
87	Bowater's Mill Intake	4402430	N48°57'18"	W57°57'00"	
88	Branch River	2802380	N47°06'40"	W53°22'20"	00NF02ZL1386
89	Bread Cove Brook	1110770	N48°29'00"	W53°56'10"	00NF02YS0002
90	Bread Cove Pond (Terra Nova National Park)	1110770	N48°29'00"	W53°57'00"	01NF02YS0001
91	Briens Pond	2216180	N47°23'00"	W53°16'00"	01NF02ZK3010
92	Britannia Water Supply		N48°08'42"	W53°45'00"	01NF02ZK3009
94	Broad Cove Brook	2115670	N47°50'10"	W53°06'40"	00NF02ZL1416
93	Broad Cove Brook (St. Phillips)	2115670	N47°34'15"	W52°52'15"	00NF02ZM0010
95	Broom River	2700410	N46°43'20"	W53°26'00"	00NF02ZN1543
96	Brownsdale Brook	1915260	N48°02'00"	W53°07'00"	00NF02ZL1401
97	Buchans Brook	0707796	N48°48'12"	W56°45'48"	
999	Buckley Cove Ponds #1	1102800	N48°36'25"	W53°54'10"	01NF02YS0046
1000	Buckley Cove Ponds #2	1110280	N48°35'50"	W53°53'55"	01NF02YS0047
98	Burnt Pond	3614070	N48°07'42"	W57°26'54"	
99	Butlers Pond	2316500	N47°37'00"	W52°49'00"	04NF02ZM1464
987	Butts Pond	1110620	N48°32'00"	W53°53'25"	01NF02YS0032
101	Camp Ho Brook	4000830	N48°07'00"	W58°47'00"	00NF02ZA3003
100	Campbellton River	0708211	N49°17'05"	W54°56'15"	00NF02YO1248
102	Cape Broyle River	2517350	N47°05'30"	W52°57'45"	00NF02ZM1483
103	Caplin Cove Brook	2015480	N48°02'00"	W52°59'00"	00NF02ZL1403
104	Cappahayden River North	2617670	N46°51'02"	W52°58'05"	00NF02ZM1478
105	Caribou Lake	0908615	N48°38'05"	W54°59'55"	01NF02YQ0003
106	Carmanville Brook	0908680	N49°24'00"	W54°18'00"	00NF02YR1266
107	Carmanville Pond	0908680	N49°22'48"	W54°17'06"	01NF02YR3002
108	Carter's Pond	1009140	N49°12'00"	W53°30'00"	
109	Castors River	4805030	N50°54'50"	W56°54'00"	00NF02YC1203
110	Cat Arm Lake	0402600	N50°04'06"	W56°56'36"	
111	Cat Arm River	0402600	N50°04'33"	W56°50'21"	00NF02YF0001
112	Cavendish Brook	1815010	N47°42'40"	W53°29'35"	00NF02ZL1419
113	Chance Cove Brook	2617740	N46°46'00"	W53°01'00"	00NF02ZM1477

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
114	Chatman Pond East (Terra Nova National Park)	1110770	N48°29'30"	W53°59'01"	01NF02YS0011
115	Chatman Pond West (Terra Nova National Park)	1110770	N48°29'30"	W53°59'00"	01NF02YS0010
116	Churchill's Pond	3003740	N47°59'00"	W53°58'00"	01NF02ZH3000
117	Clam Brook	1815160	N47°52'00"	W53°22'00"	00NF02ZL1420
118	Clanceys Pond	3308250	N47°07'30"	W55°30'00"	00NF02ZG3010
119	Clanceys Pond Brook	3308250	N47°07'00"	W55°29'50"	00NF02ZG1327
120	Clarenville Brook	1613070	N48°11'00"	W53°59'00"	00NF02ZJ1358
122	Clarke's Pond Brook (Clarke's Beach)	2215910	N47°33'00"	W53°23'00"	
121	Clarke's Pond (Argentia)	2903110	N47°18'00"	W53°59'00"	04NF02ZK1371
123	Clay Cove Pond		N50°48'00"	W56°06'30"	01NF02YD3000
124	Clements Pond	2316500	N47°38'00"	W52°49'30"	01NF02ZM0015
125	Clench Brook	0707790	N48°46'12"	W56°51'24"	01NF02YN3002
126	Cluett's Pond		N47°36'30"	W55°53'12"	
127	Cobbs Arm Pond		N49°36'18"	W54°36'00"	01NF02YO3012
128	Cochrane Pond	2516940	N47°28'00"	W52°51'00"	04NF02ZM1496
129	Cochrane's Gully (Branch Water Supply)	2802380	N46°53'00"	W53°57'18"	01NF02ZK3008
130	Cold Brook	3614070	N47°56'45"	W58°58'55"	00NF02ZA1548
131	Cold Spring Pond	3614070	N48°10'54"	W56°18'06"	
132	Cold Spring Pond	3614070	N48°09'45"	W56°19'00"	01NF02ZE0002
133	Colinet River	2801920	N47°13'25"	W53°32'55"	00NF02ZN1535
134	Colliers Big Pond	2216110	N47°24'00"	W53°19'00"	04NF02ZL1411
135	Colliers River	2216110	N47°26'50"	W53°13'40"	00NF02ZM1465
136	Come By Chance River	3033740	N47°55'06"	W53°57'00"	00NF02ZH0009
137	Come By Chance River (Station #10)	3033740	N47°53'20"	W53°57'25"	00NF02ZA1303
138	Come By Chance River (Station #2)	3033740	N47°58'00"	W53°58'00"	00NF02ZK3001
139	Come By Chance River (Station #4)	3033740	N47°55'00"	W53°57'00"	00NF02ZK3002
140	Connaughtman's Pond	3613350	N47°13'00"	W53°48'00"	01NF02ZK3007
141	Conne River	3613350	N47°57'20"	W55°38'00"	00NF02ZF1320
142	Conne River (from brook)	3613350	N47°51'00"	W55°45'30"	00NF02ZE3000
143	Conway Brook (Long Pond)	2216400	N47°32'00"	W52°56'25"	00NF02ZM1466
144	Conways Brook (St. Brides)	4402930	N46°55'18"	W54°09'45"	00NF02ZN3001
145	Coote Pond Brook	2801360	N46°57'00"	W53°31'00"	00NF02ZN1533

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
146	Corner Brook Lake	4402420	N48°54'50"	W57°54'05"	01NF02YL0003
147	Corner Brook Stream	4402420	N48°54'50"	W57°54'05"	00NF02YL1232
148	Costigan Lake	0707790	N48°31'20"	W57°04'35"	01NF02YN0007
149	Country Pond	2517140	N47°20'10"	W52°54'20"	04NF02ZM1467
150	Coy Pond	0908614	N48°21'40"	W55°37'10"	01NF02YQ0007
151	Crabbes River	4000860	N48°10'25"	W58°47'20"	00NF02ZA1298
152	Crooked Feeder	4402430	N49°20'20"	W57°10'45"	00NF02ZK1227
153	Crouchers Gulch	4503720	N49°26'31"	W57°54'12"	
154	Crowhead (Twillingate Water Supply)		N49°49'42"	W54°48'00"	
977	Cunlon Pond	0105920	N51°34'19"	W55°31'45"	
155	Cupids Long Pond	2215990	N47°28'00"	W53°17'00"	04NF02ZL1404
156	Cuslett Brook	2902690	N46°57'25"	W54°09'40"	00NF02ZK1380
157	Damhill Pond	1713660	N48°02'30"	W53°38'00"	01NF02ZJ3001
158	Dark Cove Pond		N48°47'00"	W54°12'00"	
159	Deshwoods Pond	3818800	N48°02'20"	W58°10'05"	01NF02ZA0004
160	Davey Ann's Pond (Terra Nova National Park)		N48°36'30"	W53°57'00"	01NF02YS0019
161	Deadman's Brook	0908950	W49°20'00"	W53°41'00"	00NF02YR1267
162	Deadwolf Pond	0908615	W48°39'50"	W54°49'10"	01NF02YQ0005
163	Deer Arm Brook	4504040	W49°34'45"	W57°50'40"	00NF02YH217
164	Deer Brook	4504040	W49°33'58"	W57°50'22"	
165	Deer Lake	4402432	W49°10'00"	W57°26'00"	01NF02YL1230
166	Deer Pond	4504040	W49°36'45"	W57°48'10"	
167	Deer Pond	1110223	W48°27'15"	W54°48'35"	01NF02YS0054
1004	Diamond Pond	1110630	N48°32'50"	W53°50'55"	01NF02YS0051
168	Dildo Brook	1714900	W47°28'00"	W53°32'50"	00NF02ZK1376
169	Dildo Pond	1714900	W47°29'00"	W53°33'00"	04NF02ZK1398
170	Dintara Pond	1211750	W48°35'00"	W53°28'00"	01NF02ZJ3000
171	Doctors Brook	4804990	W50°47'50"	W57°05'05"	00NF02YC1204
172	Doting Cove Brook	0908850	W49°27'00"	W53°58'00"	00NF02YR1268
173	Doyles Brook	2115790	W47°41'55"	W53°13'35"	00NF02ZL1421
174	Dry Pond	3817890	W47°50'40"	W57°31'30"	01NF02ZC3000
175	Dry Pond Brook	3817890	W47°45'25"	W57°39'15"	00NF02ZC3001

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
176	Dry Pond Brook	3817890	W47°51'55"	W57°32'00"	
1021	Duck Pond	0105890	N51°34'47"	W55°34'30"	
1012	Duck Pond Brook	0105890	N51°34'54"	W55°34'58"	
177	Dunphy's Pond	1110770	W48°28'00"	W54°07'00"	01NF02YS0022
178	Duricle Pond	3206700	W47°06'00"	W55°05'00"	
1205	East Deer Path Brook	4604220	N49°45'30"	W57°50'00"	
180	East Pond	0401640	W50°52'12"	W56°05'42"	01NF02YD3002
179	Eastern Pond (Hant's Harbour Water Supply)	1915230	W48°00'12"	W53°15'42"	01NF02ZL3007
181	Eastport Spring	1116430	N48°38'42"	W53°49'00"	
182	Eel Brook	0707840	N49°07'40"	W55°11'25"	00NF02YO1249
183	Exploits River (above Grand Falls)	0707790	N48°56'15"	W55°40'40"	
184	Exploits River (above Grand Falls)	0707790	N48°55'05"	W55°39'45"	00NF02YO1251
185	Exploits River (above Grand Falls)	0707790	N48°55'05"	W55°39'46"	
1223	Exploits River (at Bishops Falls Dam)	0707790	N49°00'50"	W55°28'20"	
186	Exploits River (at Bishops Falls)	0707790	N49°00'35"	W55°28'55"	00NF02YO1250
188	Exploits River (at Grand Falls)	0707790	N48°55'50"	W55°40'05"	00NF02YO0001
187	Exploits River (at Sir Robert Bond Bridge)	0707790	N49°01'25"	W55°26'40"	
194	Exploits River (Grand Falls Dump)	0707790	N48°55'25"	W55°38'20"	
192	Exploits River (Millertown Dam)	0707790	N48°45'50"	W56°36'00"	
189	Exploits River (one half mile above Badger)	0707790	N48°58'15"	W56°02'50"	
193	Exploits River (Price Bridge)	0707790	N48°55'20"	W55°39'40"	
190	Exploits River (sixteen miles above Badger)	0707790	N48°49'50"	W56°36'00"	
191	Exploits River (Stoney Brook Gorge)	0707790	N48°55'25"	W55°40'05"	00NF02YO3005
195	Fairbanks (Water Supply)		N49°32'00"	W54°46'00"	01NF02YO3011
196	Fall Pond Reservoir (Little St. Lawrence)	3207140	N46°55'42"	W55°21'30"	01NF02ZG3009
1224	Fall Pond (Spaniards Bay)	2215890	N47°36'30"	W53°17'00"	01NF02ZL3008
197	Famine Brook	3308180	N47°06'00"	W55°36'10"	00NF02ZG1328
198	Farmeuse River	2617560	N46°58'30"	W52°58'20"	00NF02ZM1479
199	Field Harbour Ponds (Terra Nova National Park)	1110710	N48°31'30"	W53°47'30"	01NF02YS0002
200	Finnies Pond (Middle)	2216270	N47°21'50"	W53°04'10"	01NF02ZM0017
1211	First Salmon Pond				01NF02YB0001
988	Fox Pond	1110580	N48°30'15"	W53°58'35"	01NF02YS0033

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
984	George Lake		N48°45'00"	W58°10'00"	01NF02YJ0001
1225	Grand Le Pierre Brook	3409200	N47°41'25"	W54°47'15"	00NF02ZG1321
261	Grandfer's Pond	3612570	N47°33'00"	W55°55'30"	
1010	Grandy Brook (600 m below Top Pond)	3817890	N47°51'25"	W57°44'00"	00NF02ZC0001
262	Granite Lake	3614070	N48°11'00"	W57°01'00"	01NF02ZC1311
263	Granite Lake Canal	3614070	N48°11'00"	W57°01'00"	01NF02ZC1314
980	Grass Path Pond	0105920	N51°34'09"	W55°29'45"	
264	Gravel Pit Pond	3003640	N47°48'00"	W53°58'00"	01NF02ZK3005
1226	Great Burnt Lake	3614070	N48°20'00"	W56°13'00"	
265	Great Gull Lake	0908614	N48°18'15"	W55°21'10"	01NF02YQ0008
266	Great Pond	2316550	N47°42'20"	W52°48'45"	04NF02ZM1469
267	Great Rattling Brook	0707792	N48°58'00"	W55°33'00"	00NF02YO1241
268	Green Point Brook	2902910	N47°13'00"	W54°02'00"	00NF02ZK1373
996	Greenhill Pond #1	1110290	N48°38'45"	W53°52'15"	01NF02YS0043
997	Greenhill Pond #2	1110290	N48°38'25"	W53°52'10"	01NF02YS0044
269	Grey River	3716620	N47°44'36"	W56°18'30"	00NF02ZD0003
270	Grey River	3716620	N47°44'46"	W56°56'06"	01NF02ZD0003
1018	Grub Pond	0105880	N51°33'44"	W55°32'10"	
271	Gull Island Brook	2015540	N47°57'15"	W53°02'55"	00NF02ZL1424
272	Gull Lake	0908614	N48°56'05"	W55°21'50"	01NF02YQ0007
970	Gull Pond	0105910	N51°34'49"	W55°32'20"	
983	Gull Pond	0105930	N51°34'44"	W55°30'20"	
1196	Gull Pond	4604200	N49°48'10"	W57°52'05"	
273	Gull Pond (Salmonier Line)	2801690	N47°19'05"	W52°51'10"	04NF02ZM1457
274	Gull Pond (Thorburn Road)	2316470	N48°00'00"	W54°00'00"	04NF02YS1289
1227	Gull Pond (Witless Bay Line)	2517140	N47°35'20"	W52°50'55"	04NF02ZM1471
972	Gully Pond	0105920	N51°34'32"	W55°30'55"	
275	Gushues Pond	2216110	N47°23'30"	W53°16'45"	04NF02ZM1459
276	Gut Pond		N49°39'00"	W54°37'00"	01NF02YO3008
989	Half Mile Pond	1110740	N48°30'10"	W53°50'20"	01NF02YS0034
277	Halfmoon Brook	2416670	N47°44'00"	W52°43'00"	00NF02ZM1499
278	Halfway Brook	1815220	N48°01'00"	W53°16'00"	00NF02ZL1405

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
279	Hampden River	0403360	N49°30'09"	W56°53'12"	00NF02YH0003
1003	Hancocks Pond	1110690	N48°32'05"	W53°49'10"	01NF02YS0050
280	Happy Adventure Pond	1110430	N48°38'00"	W53°46'00"	01NF02YS3002
281	Harbour Round River	0707790	N48°38'18"	N56°55'48"	00NF02YS3001
1228	Hare Bay Brook	1109730	N47°40'00"	W54°19'00"	00NF02YR1270
282	Hare Bay Brook (Water Supply)	1109730	N48°51'30"	N54°01'00"	
283	Harricot River	2801810	N47°10'45"	N53°32'50"	00NF02ZN1537
284	Harrigan's River	2802080	N47°09'30"	N53°39'55"	00NF02ZK1388
285	Harrys River	4101201	N48°34'35"	N58°21'50"	00NF02YS0001
286	Headwater Pond	0908614	N48°16'00"	N55°29'00"	01NF02YO3000
287	Healeys Pond	2316470	N47°34'24"	N52°51'06"	01NF02ZM0001
288	Healeys Pond	2316470	N47°34'25"	N52°51'06"	04NF02ZL1436
979	Heart Pond	0105920	N51°33'59"	W55°30'28"	
289	Heart's Content River	1815130	N47°50'45"	N53°19'30"	00NF02ZL0002
290	Heart's Delight Brook	1815060	N47°45'55"	N53°28'10"	00NF02ZL1426
291	Heart's Desire Brook	1815100	N47°48'40"	N53°26'40"	00NF02ZL1427
994	Hefferns Cove Pond	1110610	N48°33'15"	W53°54'35"	01NF02YS0041
292	Hender's Brook		N47°00'00"	N53°00'00"	00NF02ZH1357
293	Herring Neck Pond		N49°39'00"	N54°37'00"	01NF02YO3007
294	High Beach Brook	3207690	N46°54'00"	N55°56'00"	00NF02ZG1326
1229	Highlands River	4000830	N48°06'00"	W58°50'00"	00NF02ZA3005
295	Hinds Lake	4402430	N48°57'54"	N56°58'48"	
296	Hinds Lake Reservoir (Station 1)	4402430	N49°02'00"	N57°07'00"	
297	Hinds Lake Reservoir (Station 2)	4402430	N48°59'00"	N57°00'00"	
298	Hinds Lake Reservoir (Station 3)	4402430	N48°57'00"	N56°58'00"	
300	Hodgewater Pond	2801930	N47°27'00"	N53°24'00"	04NF02ZL1435
301	Hogans Pond	2316490	N47°35'00"	W52°51'00"	04NF02ZM1497
299	Hoopers Pond		N49°39'42"	N54°44'18"	01NF02YO3006
302	Hopeall River	1714970	N47°36'10"	W53°30'50"	00NF02ZL1425
304	Horse Cove Line River	2616430	N47°34'45"	W52°54'30"	00NF02ZM1480
303	Horsechops Line River	2517730	N47°03'25"	W52°53'45"	00NF02ZM1484
305	Horwood River	0708480	N49°30'00"	W54°30'00"	00NF02YQ1259

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
306	Hughes Pond	2316490	N47°36'00"	W52°51'00"	04NF02ZM1498
307	Hungry Grove Pond	3410790	N47°50'45"	W55°07'00"	01NF02ZF0004
308	Indian Bay Brook	1009490	N49°02'00"	W53°53'00"	00NF02YR1271
309	Indian Bay Brook	1009490	N49°02'45"	W53°57'00"	00NF02YR3000
310	Indian Bay Pond	1109490	N49°05'40"	W54°18'25"	01NF02YR0004
312	Indian Pond		N49°35'00"	W54°45'00"	
311	Indian River	0605570	N49°30'00"	W56°05'30"	00NF02YM0001
318	Indian River	0605570	N49°30'00"	W56°00'00"	00NF02YM1235
313	Island Cove Pond	0401510	N50°43'48"	W56°06'36"	01NF02YB3002
315	Island Pond		N48°06'15"	W52°55'00"	01NF02ZL3000
316	Island Pond	2416680	N47°39'00"	W52°42'00"	04NF02ZM1502
314	Island Pond	4402430	N48°58'20"	W57°31'10"	01NF02YK0007
317	Island Pond Brook	1215750	N47°44'30"	W53°14'25"	00NF02ZL1429
319	Isle aux Morts River	3919820	N47°36'51"	W59°00'33"	00NF02ZB0001
320	Islington Pond Brook	1815030	N47°45'20"	W53°29'40"	00NF02ZL1428
323	Jacks Pond	4604220	N49°47'10"	W57°51'55"	01NF02YE0002
322	Jacks Pond	3003620	N47°45'00"	W53°57'00"	01NF02YK3004
324	Jacks Pond (Goose Cove)	0300510	N51°18'12"	W55°38'00"	
998	Jay Pond	1110280	N48°38'15"	W53°53'05"	01NF02YS0045
321	Jay Pond (Terra Nova National Park)	1110280	N48°38'00"	W50°49'00"	
325	Jean de Bale Pond (Municipal Water Supply)	3306070	N47°13'30"	W55°04'30"	01NF02ZG3004
326	Jersey Pond (Lake)	3613390	N47°38'00"	W52°49'00"	01NF02ZM0016
327	Jimmy Rowes Pond	1815000	N47°41'00"	W53°29'00"	01NF02ZL3003
328	Jimmy's Pond		N49°37'00"	W54°41'00"	
329	Joe Burt's Pond	0300840	N51°11'00"	W56°01'12"	01NF02YB3005
330	Joe's Pond	0200130	N51°30'06"	W55°30'00"	01NF02YB3004
331	Johnnies Pond	2216340	N47°29'00"	W52°58'00"	04NF02ZM1500
995	Johnstons Pond		N48°28'20"	W53°57'05"	01NF02YS0042
332	Jones Pond Brook	2216740	N47°40'25"	W52°43'10"	00NF02ZM1472
992	Julceys Pond North	1110630	N48°33'00"	W53°53'10"	01NF02YS0038
333	Julceys Pond South (Terra Nova National Park)	1110630	N48°26'00"	W54°08'00"	04NF02ZM1500
335	Jumpers Brook	0707790	N49°02'00"	W55°24'00"	00NF02Y01242

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
334	Jumpers Brook (Notre Dame Bay)	0708310	N49°20'00"	W54°45'00"	
336	Junction Brook	4402430	N49°13'00"	W57°24'00"	00NF02YL1231
337	Kelligrews River	2216300	N47°29'45"	W53°01'05"	00NF02ZM1473
338	Kellys Pond	2216270	N47°25'00"	W53°01'00"	04NF02ZM1460
340	Kennedy Pond	3207610	N46°53'00"	W55°47'30"	01NF02ZG3003
339	Kennedys Brook	2416750	N47°39'00"	W52°42'00"	00NF02ZM1502
341	King George IV Lake	0707790	N48°50'00"	W56°52'00"	01NF02YN0007
342	Kingston Brook	2115690	N47°49'45"	W53°08'15"	00NF02ZL1430
1020	Komatick Pond	0105880	N51°33'58"	W55°31'51"	
343	Lamanche Pond	2517240	N47°10'00"	W52°53'00"	01NF02ZM3001
344	Lamanche River	2517240	N47°10'55"	W52°55'35"	00NF02ZM1485
345	Lance Cove Pond		N47°37'00"	W52°59'00"	01NF02ZM0003
346	Lance River	2802480	N46°48'35"	W54°04'40"	00NF02ZK1389
349	Larkin's Pond	2903030	N47°14'42"	W53°57'30"	01NF02ZK3003
348	Larkin's Pond	2903030	N47°14'42"	W53°57'30"	04NF02ZA1304
351	Lawn River	3207280	N46°56'10"	W55°27'45"	00NF02ZG1334
350	Lawn River	3207280	N46°57'00"	W55°32'24"	01NF02ZG3002
352	Lead Cove Brook	1915300	N48°03'00"	W53°05'00"	00NF02ZL1406
1213	Leg Pond				01NF02YC0001
353	Lewis Lake	0606720	N49°17'25"	W55°31'35"	01NF02YP0003
354	Lewisport Brook	0708150	N49°15'00"	W55°03'00"	00NF02YO1244
355	Lewisport Water Supply	0708150	N49°13'00"	W55°04'00"	01NF02YO3005
356	Linton Lake Brook	3206210	N47°09'25"	W55°08'25"	00NF02ZG1333
357	Linton Lake (Marystown Water Supply)	3206210	N47°11'42"	W55°07'42"	01NF02ZG3001
358	Little Barachois Brook	2902880	N47°08'00"	W54°02'45"	00NF02ZK1381
359	Little Barasway Brook	3308160	N47°35'45"	W55°41'45"	00NF02ZF1322
360	Little Bay Brook	3919970	N47°35'35"	W59°04'30"	00NF02ZB1308
361	Little Bay Mine Pond		N47°37'00"	W56°02'30"	
362	Little Brook	4504150	N49°41'53"	W57°56'44"	
363	Little Brook Pond	4704750	N50°28'55"	W57°23'40"	04NF02YE1207
364	Little Catalina River	1412190	N48°33'00"	W53°02'00"	00NF02ZL1408
1002	Little Duck Pond	1110750	N48°31'50"	W53°51'15"	01NF02YS0049

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
365	Little East River	4704810	N50°37'00"	W57°10'10"	00NF02YE1208
366	Little Gander Pond	0908615	N48°25'50"	W55°13'00"	01NF02YQ0006
367	Little Goose Pond	2801930	N47°25'30"	W53°31'36"	01NF02ZK3002
368	Little Grand Lake	4402430	N48°37'30"	W57°56'00"	01NF02YK0005
369	Little Gull Lake	0908614	N48°21'00"	W55°29'00"	01NF02YQ3000
370	Little Gull River	0908614	N48°30'00"	W55°31'00"	00NF02YQ1260
371	Little Harbour Round Pond	3003510	N47°39'00"	W53°54'00"	01NF02ZK3001
372	Little Island Pond (Carbonear Water Supply)	2115750	N47°43'48"	W53°18'45"	01NF02ZL3004
373	Little Pond	0606810	N49°20'00"	W55°24'12"	01NF02YP3000
374	Little Rattling Brook	0707800	N48°56'00"	W55°36'00"	00NF02YQ1243
375	Little Rocky Harbour Pond	4504080	N49°35'45"	W57°52'30"	00NF02ZK1390
376	Little Salmonier River	2802210	N47°07'15"	W53°44'30"	00NF02ZK1390
377	Little Soldiers Pond	2216270	N47°25'00"	W53°00'00"	01NF02ZM0020
378	Little Steady Brook	0200270	N51°25'30"	W55°30'30"	00NF02YB3000
379	Little Trout Pond	1110770	N48°27'00"	W54°01'00"	01NF02YS0028
381	Lloyds Lake	070779K	N48°21'50"	W57°34'10"	01NF02YN0005
382	Lloyds Lake	070779K	N48°24'30"	W57°29'00"	01NF02YN3003
380	Lloyds River	070779K	N48°33'30"	W57°11'36"	
383	Lloyds River	070779K	N48°32'42"	W57°12'18"	
384	Lockston River	1512550	N48°24'00"	W53°24'00"	00NF02ZV1361
388	Lomond Pond	4503920	N49°26'00"	W57°44'00"	01NF02YH3000
386	Lomond River	4503920	N49°23'30"	W57°43'30"	
387	Lomond River	4503920	N49°24'04"	W57°43'05"	
385	Lomond River	4503920	N49°24'00"	W57°43'50"	00NF02YH1218
389	Long Cat Pond		N49°53'30"	W57°46'18"	01NF02YE3001
390	Long Gull Pond	4104200	N48°34'00"	W58°26'00"	04NF02YJ1221
391	Long Harbour Round Pond	2903290	N47°30'00"	W53°43'00"	01NF02ZK3000
392	Long Lake	070779F	N48°18'00"	W57°20'00"	01NF02YN1236
1015	Long Pond	0105880	N51°33'48"	W55°32'40"	
397	Long Pond Brook	3004480	N47°42'00"	W54°20'00"	00NF02ZH1351
394	Long Pond (Beachside)	0605300	N49°38'42"	W55°54'12"	
395	Long Pond (Bird Cove)	4905130	N51°03'00"	W56°56'00"	01NF02YA3003

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
			N51°11'00"	W56°47'00"	
396	Long Pond (Black Duck Cove)	3206830	N47°03'00"	W55°10'00"	01NF02ZG3000
398	Long Pond (Burin Water Supply)	4805030	N50°50'12"	W56°57'06"	01NF02YC3001
399	Long Pond (Castor River North)	1815060	N47°46'45"	W53°27'30"	01NF02ZL3005
400	Long Pond (Heart's Delight Water Supply)	3614070	N47°52'05"	W55°57'25"	04NF02ZE1317
393	Long Pond (Jeddore Lake)	3414070	N47°59'28"	W55°49'00"	01NF02ZE3004
401	Long Pond (Jeddore Lake)	4905310	N51°12'30"	W56°45'00"	01NF02YA3002
402	Long Pond (St. Barbe)		N49°29'48"	W54°48'12"	01NF02YO3002
403	Long Pond (Summerford)	1110770	N48°27'30"	W54°03'30"	01NF02YS0029
404	Long Waters South	0708250	N49°16'00"	W54°50'00"	00NF02YO1245
406	Loon Bay Brook	0708250	N49°17'00"	W54°51'00"	01NF02YO3003
405	Loon Bay (Water Supply)	0105890	N51°34'01"	W55°33'01"	
1023	Loon Pond	2801690	N47°25'00"	W53°20'00"	01NF02ZM0021
407	Loon Pond (South of Conception Bay)	3207730	N46°54'20"	W55°56'10"	00NF02ZG1335
408	Lorles Brook	4104450	N48°31'00"	W58°16'00"	
409	Lost Pond	0908611	N48°48'05"	W54°48'55"	01NF02YQ0004
410	Lower Hunts Pond	2015150	N48°00'00"	W52°59'00"	00NF02ZL1407
411	Lower Island Cove Brook	4503520	N49°27'10"	W58°06'55"	01NF02YH0004
412	Lower Trout River Pond		N49°31'00"	W54°48'00"	01NF02YO3004
413	Luke's Arm Pond	3308090	N47°05'00"	W55°40'10"	00NF02ZG1329
347	L'anse au Loup Brook	1110222	N48°38'20"	W54°09'00"	01NF02YS1286
414	Maccles Lake	2517120	N47°18'05"	W52°49'30"	04NF02ZM1458
415	Maggoty Pond	4402430	N49°22'30"	W56°59'10"	00NF02YK1228
416	Main Brook (Hampden)	1815060	N47°47'00"	W53°25'00"	00NF02ZG1341
1230	Main Brook (Hearts Delight)	0300840	N51°05'00"	W56°00'00"	
417	Main Brook (White Bay North Water Supply)	4101150	N48°29'00"	W58°25'00"	
418	Main Gut	1517090	N49°46'00"	W56°55'00"	00NF02YF1214
419	Main River	2216200	N47°25'50"	W53°09'40"	00NF02ZM1491
420	Maloneys River	0105910	N51°34'52"	W55°32'54"	
1024	Man John Pond	2216370	N47°30'55"	W52°57'10"	00NF02ZM1489
421	Manuels River	0401640	N50°51'30"	W56°04'30"	01NF02YO3003
422	Marble Pond	1110660	N48°34'00"	W53°47'00"	01NF02YS0052
1005	Marks Shute Pond				

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
423	Mark's Lake	0606050	N49°17'25"	W55°49'55"	01NF02Y00002
1231	Martins Brook	0401390	N50°53'00"	W55°53'00"	
424	Mary Anne Brook	0707790	N49°01'00"	W56°03'00"	00NF02YQ3000
425	Mary March Brook	0707790	N49°01'00"	W56°03'00"	00NF02YQ3000
426	Mathews Pond	3614070	N48°10'40"	W55°41'00"	01NF02ZE0001
427	Maturin Pond	2903300	N47°25'00"	W53°45'00"	
428	McDougals Brook		N48°24'00"	W58°53'00"	00NF02ZA1292
429	McKenzies Brook	4503780	N47°26'15"	W57°52'15"	
430	Meta Pond	3409780	N48°05'10"	W54°51'40"	01NF02ZF0001
431	Middle Brook	4503730	N49°26'15"	W57°54'03"	
434	Middle Brook	1109762	N48°48'00"	W54°13'00"	00NF02YR3001
435	Middle Brook (at Highway 44 Bridge)	4503730	N49°25'52"	W57°53'46"	00NF02YHD012
432	Middle Brook (Gambo)	1109762	N48°28'30"	W54°13'30"	00NF02YR0003
433	Middle Brook (Square Pond)	1109762	N48°48'15"	W54°19'00"	00NF02YR1278
436	Middle Pond	2516940	N47°22'25"	W52°48'05"	04NF02ZH1492
437	Miguels Brook	0908614	N48°36'00"	W55°30'00"	00NF02YQ1261
438	Mill Pond	1110730	N48°30'00"	W53°49'30"	01NF02YS0004
440	Millers Pond	2316500	N47°37'30"	W52°50'10"	04NF02ZM1490
439	Millers Pond (Portugal Cove)	2316500	N47°37'00"	W52°50'00"	01NF02ZN0014
441	Minchin Pond	1110620	N48°33'30"	W53°53'00"	01NF02YS0014
442	Mitchells Pond North	2316490	N49°21'00"	W57°46'00"	04NF02YH1220
443	Mobile River	2517170	N47°15'00"	W52°53'20"	00NF02ZMD011
444	Mobile River	2517170	N47°14'45"	W52°51'00"	00NF02ZM1486
445	Mollichignick Brook	4000331	N47°53'25"	W59°06'00"	00NF02YS1225
446	Mollyguajeck Pond	1110223	N48°21'15"	W54°31'30"	01NF02YS0053
447	Monica Lake	0707790	N49°06'10"	W55°50'45"	01NF02YO0003
1001	Moses Cove Pond		N48°35'50"	W53°45'20"	01NF02YS0048
448	Mount Misery Pond	1815180	N47°45'30"	W53°21'36"	01NF02ZL3009
449	Muddy Brook	4503680	N49°29'29"	W57°55'31"	
990	Muddy Pond	1110620	N48°32'35"	W53°53'10"	01NF02YS0036
450	Muddy Pond	0605000	N49°35'12"	W56°10'36"	01NF02YM3002
451	Murray's Pond	2316500	N47°37'00"	W52°49'00"	01NF02ZM3001
978	Muskrat Pond	0105920	N51°34'13"	W55°30'33"	

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
452	Mutton Bay Brook	2700300	N46°44'00"	W53°19'45"	00NF02ZN1545
454	Nantes Cove Brook	3207540	N46°52'35"	W55°44'25"	00NF02ZG1338
455	Nearys Pond		N46°42'00"	W53°16'00"	04NF02ZM1503
456	Neck Pond	2617470	N47°25'00"	W53°00'00"	01NF02ZM0019
457	Neddy's Harbour Pond	4504060	N49°32'45"	W57°51'35"	
458	Nells Pond	2216420	N47°32'00"	W52°00'00"	04NF02ZM1504
459	New Chelsea Big Brook	1815280	N48°03'00"	W53°30'00"	00NF02ZL1441
460	New Chelsea Little Brook	1815240	N48°02'00"	W53°27'00"	00NF02ZL1440
506	New Harbour River	1714920	N47°42'00"	W53°35'00"	
461	New Melbourne Brook	1915290	N48°03'00"	W53°05'00"	00NF02ZL1409
462	New Perlican River	1815180	N47°54'45"	W53°22'10"	00NF02ZL1433
463	Neyle's Brook	0707790	N48°50'00"	W55°50'00"	00NF02YO1252
465	Nine Island Pond South	2216180	N47°21'00"	W53°15'00"	04NF02ZL1437
464	Nine Island Pond (Roaches Line)	1714920	N47°24'40"	W53°12'00"	04NF02ZK1395
466	Noble Pond	0604740	N49°49'05"	W55°54'50"	01NF02YM0001
467	Noggin Cove Brook	0908670	N49°24'48"	W54°19'36"	00NF02YR3002
468	North Arm River	2216220	N47°27'00"	W53°11'00"	
469	North Arm River (Bay of Exploits)	0707760	N49°20'00"	W55°10'00"	00NF02YO1246
470	North Arm River (Holyrood)	2216220	N47°23'05"	W53°09'35"	00NF02ZL1432
471	North Branch Codroy River	4000332	N47°55'40"	W59°02'05"	00NF02ZA1301
485	North Harbour River	3003880	N47°56'35"	W54°00'50"	00NF02ZH1354
487	North Harbour River (Station 1)	3003880	N47°53'00"	W54°04'30"	00NF02ZH3000
488	North Harbour River (Station 2)	3003880	N47°56'00"	W54°02'30"	00NF02ZH3001
489	North Harbour River (Station 3)	3003880	N47°56'35"	W54°00'50"	00NF02ZH1354
486	North Harbour River (St. Mary's Bay)	2802060	N47°11'10"	W53°37'35"	00NF02ZK1391
490	North Harbour Round Pond	3003880	N47°55'00"	W54°00'00"	01NF02ZH3000
491	North Narrows Pond	4504080	N49°37'15"	W57°54'05"	
492	North Pond	1109780	N48°42'25"	W54°33'50"	01NF02YR0006
493	North Pond	2216200	N47°21'55"	W53°15'05"	04NF02ZL1414
494	North Pond Brook	2416730	N47°59'45"	W52°44'40"	00NF02ZM1493
495	North Pond Mint Brook	1109782	N48°46'00"	W54°14'00"	00NF02YS1281
496	North River	2215970	N47°20'00"	W53°27'00"	00NF02ZL1439
472	Northeast Brook (Trepassey)	2700360	N46°46'10"	W53°21'25"	00NF02ZN1547

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
473	Northeast Placentia River	2903070	N46°16'50"	W53°50'35"	00NF02ZK1382
475	Northeast Pond	2316500	N47°38'06"	W52°50'18"	
476	Northeast Pond River	2316500	N47°38'06"	W52°50'16"	00NF02ZM0002
477	Northeast Pond River	2316500	N47°37'54"	W52°50'24"	00NF02ZM3013
474	Northeast Pond (Portugal Cove)	2316500	N47°38'06"	W52°50'15"	01NF02ZM3012
479	Northeast River (Highway 91)	2903070	N47°21'12"	W53°42'48"	00NF02ZK0002
478	Northeast River (Lawn)	3207320	N46°56'45"	W55°33'15"	00NF02ZG1337
482	Northeast River (Placentia)	2903070	N47°24'00"	W53°59'00"	
480	Northeast River (Placentia-Station 1)	2903070	N47°21'12"	W53°42'49"	00NF02ZK3000
481	Northeast River (Placentia-Station 5)	2903070	N47°16'24"	W53°50'24"	
483	Northern Arm Pond (Grand Falls Water Supply)	0707760	N48°55'48"	W55°39'12"	01NF02Y03001
484	Northern Bay Brook	2015550	N47°56'00"	W53°04'00"	00NF02ZL1438
497	Northwest Brook (Clarenville)	1613380	N48°01'00"	W53°58'00"	00NF02ZJ1362
498	Northwest Brook (Eastport)	1110430	N48°39'30"	W53°47'00"	00NF02YS3001
499	Northwest Brook (Port au Basques)	3920050	N47°35'35"	W59°08'30"	00NF02ZB1309
502	Northwest Brook (Trepassey)	2700380	N46°41'10"	W53°18'10"	00NF02ZN0001
503	Northwest Brook (Trinity Bay)	1109560	N48°44'00"	W54°03'00"	00NF02YR1279
504	Northwest Gander River	0908614	N48°50'00"	W55°02'00"	00NF02YQ1262
505	Northwest Pond (Centreville)	1109560	N49°01'00"	W53°56'00"	01NF02YR3003
514	Northwest Pond (Glovertown)	1110190	N48°40'30"	W54°02'30"	01NF02YS3000
517	Northwest Pond (Pools Harbour)	1009260	N49°07'00"	W53°36'12"	01NF02YR3005
516	Northwest Pond (Pools Harbour)	1009260	N49°09'00"	W53°39'00"	01NF02YR0002
515	Northwest Pond (Twillingate)		N49°37'30"	W54°45'00"	
501	Northwest River	1210880	N48°21'12"	W54°10'00"	00NF02YS3002
519	Northwest River (Lawn)	3207330	N46°46'45"	W55°31'40"	00NF02ZG1336
500	Northwest River (Port Blanford)	1210880	N48°21'00"	W54°10'00"	00NF02ZJ1363
518	Northwest River (Terra Nova National Park)	1210880	N48°23'30"	W54°12'24"	00NF02ZG1336
520	Northwest River (Trepassey)	2700380	N46°45'35"	W53°23'45"	00NF02ZL1546
521	Ocean Pond	2801930	N47°26'35"	W53°24'00"	04NF02ZL1413
522	Ochre Hill Ponds	1110580	N48°30'00"	W53°58'30"	01NF02YS0009
523	Ochre Pit Brook	2015580	N47°54'00"	W53°04'00"	00NF02ZL1442
524	Octagon Pond	2216420	N47°31'00"	W52°53'00"	04NF02ZM1505
525	Old Man Pond	2215990	N47°24'30"	W53°19'10"	04NF02ZL1415

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
526	Osmond Pond West	4502430	N49°38'00"	W57°34'45"	
527	Otter Brook	4604560	N50°02'00"	W57°43'00"	00NF02YE3001
975	Otter Pond	0105920	N51°34'17"	W55°29'58"	
1022	Otter Pond	0105890	N51°34'00"	W55°34'20"	
1019	Otter Pond	0105880	N51°33'50"	W55°31'57"	
528	Otter Pond	4905150	N51°04'00"	W56°03'00"	01NF02YA3001
530	Otter Pond Brook	4905150	N50°54'50"	W56°54'00"	04NF02YJ1223
529	Outer Deer Pond	4504040	N49°37'05"	W57°50'55"	
531	Paddys Brook	2216370	N47°34'42"	W56°12'30"	
532	Paddys Pond	2216370	N47°29'00"	W52°53'00"	01NF02ZM0022
533	Paddys Pond	2216370	N47°28'15"	W52°53'05"	04NF02ZM1461
534	Paddys Pond	2216370	N47°29'00"	W52°53'01"	00NF02ZH1353
535	Paradise River (Placentia Bay)	3105180	N47°43'50"	W54°32'45"	00NF02ZH1353
536	Paradise River (Terrenceville)	3105180	N47°44'15"	W54°32'55"	00NF02ZH0004
537	Parkers Cove (Water Supply)	3105890	N47°23'30"	W54°51'30"	01NF02ZG3012
538	Patrick's Cove Brook	2902760	N47°02'10"	W54°07'05"	00NF02ZK1383
539	Peak Pond	2216220	N47°19'00"	W53°13'00"	04NF02ZM1506
540	Palleys Brook	4101210	N48°30'35"	W58°26'05"	00NF02ZA1296
542	Pennys Pond	0401640	N50°54'30"	W55°04'00"	01NF02YD3001
541	Pennys Pond (Salmonier)	2801690	N47°16'00"	W53°16'00"	04NF02ZM1507
543	Peter's River	2800860	N46°45'50"	W53°36'20"	00NF02ZN1538
544	Piccos Brook	2416680	N47°43'00"	W52°42'00"	00NF02ZM1508
545	Piccos Brook	2416680	N47°43'00"	W52°42'10"	00NF02ZM3000
546	Piercy Brook	3207670	N46°52'40"	W55°51'30"	00NF02ZG1340
547	Pinchgut Brook	4101202	N48°47'40"	W58°03'45"	00NF02YK1229
548	Pinchgut Lake	4104202	N48°48'50"	W58°00'30"	01NF02YJ1224
549	Pine Hill Pond (Terra Nova National Park)	1110270	N48°36'30"	W53°58'30"	01NF02YS0020
550	Pipers Hole River	3004160	N47°55'50"	W54°16'55"	01NF02ZH1355
551	Pipers Hole River (Mothers Brook)	3004160	N47°57'00"	W54°17'00"	00NF02ZH0001
552	Point of the Woods Tributary	0707790	N48°40'00"	W55°40'00"	00NF02YO1253
553	Pond Point Big Pond	4504130	N49°40'00"	W57°57'40"	01NF02YH0002
554	Pond Point Little Pond	4504130	N49°40'00"	W57°57'50"	

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
555	Popologan Lake	0707790	N48°56'00"	W55°40'00"	01NF02Y00001
556	Portage Lake	4101080	N48°14'25"	W58°02'50"	01NF02ZA0007
557	Portland Creek	4604620	N50°11'00"	W57°36'10"	00NF02YE1211
558	Portugal Cove South Brook	2700200	N46°43'00"	W53°15'50"	00NF02ZM1474
559	Pouch Cove Brook	2416630	N47°45'40"	W52°46'30"	00NF02ZM1494
560	Pouch Cove Brook	2416630	N47°46'00"	W52°45'00"	
993	Powder Horn Pond	1110770	N48°30'40"	W53°55'30"	01NF02YS0040
561	Powerhouse Brook	1412240	N48°30'00"	W53°05'00"	00NF02ZJ1364
562	Pudops Lake	3614070	N48°12'00"	W56°43'00"	01NF02ZD1315
563	Pump Cove Brook	3207450	N46°46'10"	W55°28'35"	00NF02ZG1339
564	Pynns Pond	4402470	N49°00'00"	W57°58'00"	01NF02YL3000
565	Quarry Brook	2216260	N47°26'00"	W53°06'00"	00NF02ZM1509
566	Quidi Vidi Lake	2416810	N47°35'00"	W52°41'00"	01NF02ZM3009
567	Rabbit Pond	3511150	N43°36'30"	W55°25'00"	01NF02ZF3002
568	Ragged Harbour River	0908830	N49°23'35"	W54°52'00"	00NF02YR0001
569	Ragged Harbour River	0908830	N49°23'35"	W54°52'10"	00NF02YR1272
570	Rainy Brook	4000830	N48°07'00"	W58°47'00"	00NF02ZA3001
571	Rainy Brook (east)	4000830	N48°05'00"	W58°46'00"	
572	Rantem Pond		N47°41'00"	W53°53'00"	01NF02ZK3012
573	Rattle Brook	3105840	N47°26'55"	W54°11'15"	00NF02ZG0002
574	Rattle Pond	1110700	N48°31'00"	W53°49'30"	01NF02YS0003
575	Rattling Brook	0604980	N49°37'30"	W56°10'42"	01NF02YM3003
576	Raymond Brook	2516940	N47°27'00"	W52°46'00"	00NF02ZM1510
577	Red Harbour River	3106000	N47°17'15"	W55°01'45"	00NF02ZK1377
578	Red Indian Lake	0707790	N48°34'00"	W57°08'00"	01NF02YN0003
582	Red Indian Lake (0707790)	0707790	N48°45'00"	W56°45'00"	
579	Red Indian Lake (Middle)	0707790	N48°43'00"	W56°53'00"	01NF02YN0002
580	Red Indian Lake (Millerton Dam)	0707790	N48°45'00"	W56°45'00"	01NF02YN1237
581	Red Indian Lake (near Millerton)	0707790	N48°49'00"	W56°33'00"	01NF02YN0001
583	Red Indian Lake (Site 1)	0707790	N48°53'00"	W57°07'00"	
584	Red Indian Lake (Site 2)	0707790	N48°36'00"	W57°03'00"	
585	Red Indian Lake (Site 3)		N48°38'30"	W56°58'00"	

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
586	Red Indian Lake (Site 4)	0707790	N48°45'30"	W56°49'00"	
587	Red Indian Lake (Site 5)	0707790	N48°46'00"	W56°44'30"	
588	Red Indian Lake (Site 6)	0707790	N48°46'30"	W56°39'00"	
589	Renews River	2617640	N46°56'55"	W52°54'20"	00NF02ZM1481
590	Ridges Pond	4905188	N51°11'30"	W56°48'00"	01NF02YA3006
590	Ridges Pond	4905188	N51°11'30"	W56°48'00"	01NF02YA3006
591	River Brook	4000830	N48°06'10"	W58°47'10"	00NF02YZ1297
591	River Brook	4000830	N48°06'10"	W58°47'10"	00NF02YZ1297
1006	River of Ponds	4604740	N50°32'05"	W57°23'40"	00NF02YE0003
594	River of Ponds	4704740	N50°32'05"	W57°23'40"	00NF02YE1209
594	River of Ponds	4704740	N50°32'05"	W57°23'40"	00NF02YE1209
595	River Pond	3004480	N47°54'30"	W55°35'35"	00NF02ZE0006
595	River Pond	3004480	N47°54'30"	W55°35'35"	00NF02ZE0006
593	Riverhead Brook West	0605640	N49°25'00"	W56°08'12"	00NF02YP3000
593	Riverhead Brook West	0605640	N49°25'00"	W56°08'12"	00NF02YP3000
592	Riverhead Brook (St. Mary's Bay)	2801370	N46°58'55"	W53°30'40"	00NF02ZN1539
592	Riverhead Brook (St. Mary's Bay)	2801370	N46°58'55"	W53°30'40"	00NF02ZN1539
596	Robinsons River	4000920	N48°15'00"	W58°45'00"	
597	Robinsons River	4000920	N48°10'25"	W58°47'20"	00NF02ZA1302
597	Robinsons River	4000920	N48°10'25"	W58°47'20"	00NF02ZA1302
596	Robinsons River	4000920	N48°15'00"	W58°45'00"	
598	Robinsons River (Pouch Cove)	2416220	N47°46'00"	W52°46'00"	00NF02ZM1511
598	Robinsons River (Pouch Cove)	2416220	N47°46'00"	W52°46'00"	00NF02ZM1511
1192	Rocky Harbour Pond	4504080	N49°34'10"	W57°53'20"	
599	Rocky Pond	0605940	N49°18'45"	W56°05'35"	01NF02YP0005
599	Rocky Pond	0605940	N49°18'45"	W56°05'35"	01NF02YP0005
600	Rocky Pond (Musgrave Harbour)		N49°24'30"	W53°57'30"	01NF02YR3000
600	Rocky Pond (Musgrave Harbour)		N49°24'30"	W53°57'30"	01NF02YR3000
601	Rocky Pond (Point Lance)	2802490	N46°48'48"	W54°05'00"	01NF04YK3013
601	Rocky Pond (Point Lance)	2802490	N46°48'48"	W54°05'00"	01NF04YK3013
602	Rocky Pond (Terra Nova National Park)	1110580	N48°31'30"	W53°58'00"	01NF02YS0012
602	Rocky Pond (Terra Nova National Park)	1110580	N48°31'30"	W53°58'00"	01NF02YS0012

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
603	Rocky Pond (Twillingate)		N49°39'24"	W54°45'30"	01NF02YO3013
603	Rocky Pond (Twillingate)		N49°39'24"	W54°45'30"	01NF02YO3013
604	Rocky Pond (Victoria Water Supply)	2115720	N47°45'12"	W53°15'48"	01NF02ZL3006
604	Rocky Pond (Victoria Water Supply)	2115720	N47°45'12"	W53°15'48"	01NF02ZL3006
605	Rocky Pond (Whitbourne Water Supply)	2801930	N47°25'00"	W53°31'45"	01NF02FK3014
605	Rocky Pond (Whitbourne Water Supply)	2801930	N47°25'00"	W53°31'45"	01NF02FK3014
607	Rocky River	2801930	N47°13'25"	W53°34'30"	01NF02ZK1392
607	Rocky River	2801930	N47°13'25"	W53°34'30"	01NF02ZK1392
606	Rocky River (Colinet)	2801930	N47°13'30"	W53°34'06"	00NF02ZK0001
606	Rocky River (Colinet)	2801930	N47°13'30"	W53°34'06"	00NF02ZK0001
608	Rocky River (Whitbourne)	2801930	N47°25'00"	W53°31'30"	00NF02ZK3003
608	Rocky River (Whitbourne)	2801930	N47°25'00"	W53°31'30"	00NF02ZK3003
609	Rushoon Big Pond	3105920	N47°21'18"	W54°54'36"	01NF02ZG3013
609	Rushoon Big Pond	3105920	N47°21'18"	W54°54'36"	01NF02ZG3013
1232	Rushoon River	3105920	N47°22'00"	W54°55'00"	
1207	Rushoon River	3105920	N47°21'00"	W54°55'00"	
610	Rushoon River (Station 2)	3105920	N47°23'00"	W54°55'00"	00NF02ZG3000
611	Rushoon River (Station 3)	3105920	N47°21'35"	W54°55'15"	00NF02ZG1348
612	Ryans Brook	2215890	N47°35'55"	W53°18'05"	00NF02ZL1434
982	Saddle Hill Pond	0105930	N51°35'18"	W55°30'28"	
613	Sally's Cove Brook	4504160	N49°43'55"	W57°55'45"	00NF02YE1213
614	Sally's Cove Pond	4504160	N49°43'40"	W57°56'05"	
1233	Sally's Cove River	1512520	N48°23'00"	W53°17'00"	
615	Salmon Brook	0908611	N49°01'00"	W54°54'00"	00NF02YQ3000
1234	Salmon Cove River	2215720	N47°41'00"	W53°14'00"	
616	Salmon Cove River	1512520	N48°23'00"	W53°17'00"	00NF02ZJ1368
619	Salmon River (Admiral's Beach)		N47°00'30"	W53°38'00"	00NF02ZN3000
621	Salmon River (at Long Pond)	3614070	N47°56'39"	W55°54'51"	00NF02ZE0004
620	Salmon River (Avondale)	2216180	N49°00'00"	W54°52'00"	00NF02YQ1264
622	Salmon River (Notre Dame Bay)		N49°00'00"	W54°22'00"	00NF02YR1274
623	Salmon River (Port Blandford)	1210890	N48°23'20"	W54°13'05"	00NF02YS1282
617	Salmonier River (Burin Peninsula)	3207520	N46°52'05"	W55°46'45"	00NF02ZG1342

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
618	Salmonier River (St. Mary's Bay)	2801690	N47°12'35"	W53°21'50"	00NF02ZN1540
626	Salt Pond	3206890	N47°06'12"	W55°11'57"	01NF02ZG0004
624	Saltons Brook		N48°34'55"	W53°58'10"	00NF02YS1284
625	Saltons Pond	1210560	N49°33'00"	W54°43'30"	01NF02YQ3015
627	Sams Pond (Sandringham)	1110430	N48°40'00"	W53°49'00"	01NF02YS3003
628	Samson Pond	2903290	N47°27'00"	W53°45'00"	01NF02ZK3015
629	Sandy Brook	0707795	N48°56'00"	W55°46'00"	00NF02YQ1247
1235	Sandy Harbour River	3004480	N47°49'05"	W54°16'55"	00NF02ZH1356
630	Sandy Lake	0707795	N48°50'00"	W56°52'00"	01NF02YN0004
631	Sandy Lake	0707795	N48°49'05"	W56°56'45"	01NF02YN0008
632	Sandy Pond	1110770	N48°29'30"	W54°01'30"	01NF02YS0027
633	Savage Cove Water Supply	490540A	N51°19'30"	W56°42'00"	
634	School Pond	1009200	N49°08'00"	W53°33'00"	
635	Scratch Ass Pond		N49°39'00"	W54°45'30"	01NF02YQ3010
636	Seal Cove Brook	2617680	N46°50'20"	W52°58'50"	00NF02ZM1482
637	Seal Cove Pond	1815130	N47°50'00"	W53°24'00"	01NF02ZL3010
638	Seal Cove Pond	1815130	N47°50'00"	W53°24'10"	04NF02ZL1446
639	Seal Cove River	2216270	N47°27'00"	W53°05'00"	00NF02ZM1515
640	Seal Point Brook	2900840	N46°55'20"	W54°14'30"	00NF02ZK1384
641	Second Pond	2516940	N47°27'00"	W52°44'00"	04NF02ZM1518
642	Serpentine Pond	4503560	N49°29'40"	W58°04'30"	
644	Shallow Ponds #3 (Terra Nova National Park)	1110700	N48°30'00"	W53°50'00"	01NF02YS0005
643	Shalloway Brook	0908920	N49°27'00"	W53°58'00"	00NF02YR1276
645	Shanadithit Brook	070779H	N48°55'50"	W57°06'00"	00NF02YN0004
646	Shanadithit Brook	070779H	N48°37'18"	W57°05'36"	
647	Shearstown Brook	2215910	N47°36'00"	W53°18'00"	00NF02ZM1513
648	Shingle Pond	2903270	N53°45'00"	W47°25'00"	01NF02ZK3016
649	Ship Cove Brook	2902810	N47°05'20"	W54°04'30"	00NF02ZK1385
991	Ship Cove Pond	1110650	N48°33'20"	W53°49'40"	01NF02YS0037
650	Shoal Brook	4503710	N49°28'21"	W57°55'22"	
651	Shoal Cove Pond		N48°37'30"	W54°38'00"	01NF02YQ3009
652	Shoal Harbour River	1613060	N48°12'00"	W54°09'00"	00NF02ZM1520

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
653	Shoe Cove Brook	2416650	N47°46'00"	W52°44'00"	00NF02ZM1520
654	Sibleys Cove Brook	1915290	N48°02'00"	W53°06'00"	00NF02ZL1410
655	Silver Pond	3818800	N48°47'05"	W57°45'30"	01NF02ZA0005
656	Sitdown Pond	3614070	N48°20'10"	W56°03'30"	01NF02ZE0004
1025	Skin Pond	0105910	N51°35'15"	W55°32'18"	
1013	Skin Pond Brook	0105910	N51°35'28"	W55°32'50"	
657	Small Jersey Pond	3613390	N47°54'00"	W55°46'00"	01NF02ZE3000
658	Soldiers Pond	2216270	N47°33'00"	W52°41'00"	01NF02ZM3008
659	Soldiers Pond	2216270	N47°35'00"	W52°36'35"	04NF02ZM1467
660	Soulis Brook	0908611	N45°55'00"	W54°21'00"	00NF02YR1273
661	South Arm River	2216240	N47°23'00"	W53°08'00"	00NF02ZM1516
662	South Bay Brook	1211600	N48°26'00"	W53°36'00"	00NF02ZJ1367
663	South Brook	0605060	N49°17'12"	W56°06'48"	01NF02YP3001
1011	South Brook Tributary	2416820	N47°30'39"	W52°45'51"	00NF02ZM0008
666	South Brook (at Heavy Tree Road)	2416820	N47°29'50"	W52°47'25"	00NF02ZM0007
667	South Brook (at Ruby Line)	2416820	N47°24'44"	W52°48'37"	01NF02ZM0001
665	South Brook (Tributary to Waterford River)	2416820	N47°31'00"	W52°45'10"	00NF02ZM1517
664	South Brook (Tributary to Waterford River)	2416820	N47°31'00"	W52°45'00"	00NF02ZM1521
676	South Narrows Pond	4504080	N49°36'15"	W57°53'10"	
677	South Pond	3613350	N47°51'48"	W55°45'15"	01NF02ZE3001
678	South River	2215990	N47°34'00"	W53°17'00"	00NF02ZL1443
679	South River	2215820	N47°40'00"	W53°15'00"	00NF02ZL1445
668	Southeast Brook (Bonne Bay)	4503940	N49°27'15"	W57°41'25"	00NF02YH1219
669	Southeast Brook (Head Bale D'Espoir)	3613410	N47°55'15"	W55°44'30"	00NF02ZE1318
670	Southeast Brook (Terra Nova National Park)	1110270	N48°36'15"	W53°58'50"	00NF02YS0003
671	Southeast Placentia (Water Supply)	2902950	N47°13'00"	W53°56'50"	
1239	Southern Bay Brook		N48°26'00"	W53°36'00"	00NF02ZJ1367
672	Southern Bay River	1211600	N48°22'45"	W53°40'35"	00NF02ZJ0001
674	Southern Cove Pond	1815150	N47°50'40"	W53°22'10"	04NF02ZL1444
673	Southern Cove Pond	1815150	N47°50'40"	W53°22'00"	01NF02ZL3011
675	Southern Harbour Cross Pond	3003620	N47°44'00"	W53°56'00"	01NF02ZK3017
680	Southwest Brook	3411000	N47°37'00"	W55°28'00"	00NF02ZF1324

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
681	Southwest Brook (Port Blandford)	1210930	N48°32'10"	W53°59'40"	00NF02YS1287
682	Southwest Brook (Port Blandford)	1210930	N48°22'00"	W54°11'00"	00NF02YS1283
683	Southwest Brook (St. Georges Bay)	4101150	N48°30'50"	W58°16'20"	00NF02ZA1294
1009	Southwest Brook (Terra Nova National Park)	1110440	N48°36'15"	W53°58'50"	00NF02YS0003
684	Southwest Brook (Terra Nova National Park)	1110440	N48°18'55"	W54°10'50"	00NF02YS0005
685	Southwest Pond	2216200	N47°21'00"	W53°14'00"	01NF02ZL3012
686	Southwest River	2216200	N49°54'00"	W56°14'00"	
974	Spew Pond	0105920	N51°34'42"	W55°30'29"	
981	Spillars Pond	0105930	N51°35'08"	W55°29'53"	
687	Split Rock Pond	2216220	N47°19'00"	W53°13'00"	04NF02ZM1512
690	Spread Eagle Peak Pond	1714870	N47°27'00"	W53°43'00	04NF02ZK1400
691	Spread Eagle Peak Pond	1714870	N47°27'00"	W53°43'01	01NF02ZK3013
688	Sprout Cove Brook	2115690	N47°49'00"	W53°08'00"	00NF02ZL1452
689	Sprout Cove Brook (Highway 70)	2115690	N47°29'44"	W52°48'37"	00NF02ZL0001
692	Spruce Pond	0908614	N48°19'00"	W55°28'00	01NF02YQ3000
693	Spruce Pond	3614070	N48°06'45"	W57°37'25	01NF02ZC0005
694	Stachelly Pond		N49°37'30"	W54°45'00	
1206	Stag Brook	4604220	N49°46'30"	W57°50'30"	
695	Stanford River	4604540	N49°57'10"	W58°45'16	
696	Stanhope Pond	0708070	N49°00'30"	W55°04'00	
698	Star Lake	070779J	N48°35'00"	W57°17'30	01NF02YN3000
701	Steady Pond	0400270	N51°25'30"	W55°30'30	01NF02YB3001
702	Steady Water Brook	2316320	N47°31'00"	W52°49'00	00NF02ZM1519
704	Stephensons Pond	3817890	N47°54'45"	W57°29'45	00NF02ZC0003
703	Stephensons Pond	3817890	N47°54'50"	W57°30'06	01NF02ZC3001
706	Ste. Genevieve River	4905170	N51°08'20"	W56°48'00	00NF02YA1202
705	Ste. Genevieve River	4905170	N51°08'18"	W56°47'32	00NF02YA0001
1016	Stocking Leg Pond	0105880	N51°33'59"	W55°32'17"	
713	Stuckley's Pond		N49°37'30"	W54°45'00"	
697	St. Anthony Pond (Water Supply)	0200360	N51°21'36"	W55°36'12	00NF02YB3000
699	St. Barbe (Muninclpal Water Supply)	4905180	N51°12'30"	W56°45'00	
700	St. Bride's Brook	2902680	N46°54'40"	W54°10'35	00NF02ZK1394

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
707	St. Lawrence River	3207150	N46°55'35"	W55°22'15	00NF02ZG1341
708	St. Mary's Pond	2801310	N46°55'00"	W53°34'00	
709	St. Pauls River	4604350	N49°49'16"	W57°39'50	
710	St. Pauls River (at outlet)	4604350	N49°49'06"	W57°39'16"	00NF02YE0001
1199	St. Paul's Bottom Pond	4604350	N49°48'20"	W57°38'00"	
711	St. Shores River	2800740	N46°39'55"	W53°36'50"	00NF02ZN1541
712	St. Shotts River	2800650	N46°38'20"	W53°35'15"	00NF02ZN1542
714	Sullivan's Pond	0605570	N49°30'00"	W56°08'30"	01NF02YM3000
715	Sunnyside Brook	1714340	N47°52'00"	W53°55'00"	00NF02ZJ3000
716	Sunnyside Pond	1714340	N47°52'00"	W53°57'00"	01NF02ZJ3002
717	Tally Pond	0707798	N48°36'35"	W56°29'30"	01NF02Y00009
718	Taylor's Bay Brook	3207520	N46°53'05"	W55°42'50"	00NF02ZG1344
973	Tee Pond	0105920	N51°34'45"	W55°30'51"	
719	Templeman Lake	0708212	N49°01'00"	W55°07'55"	01NF02Y00004
721	Terra Nova River (at Highway 1)	1110221	N48°38'10"	W54°02'25"	00NF02YS1288
720	Terra Nova River (at Terra Nova)	1110221	N48°30'25"	W54°12'40"	00NF02YS0001
722	Terra Nova River (in Park near Glovertown)		N48°40'00"	W54°00'00"	00NF02YS3003
723	Terrances Pond	1815100	N47°48'22"	W53°26'24"	01NF02ZL3014
724	Terranceville Brook	3409170	N47°41'15"	W54°40'05"	00NF01ZC1323
725	Third Pond	2216210	N47°25'00"	W53°09'00"	04NF02ZN1534
726	Thomas Pond	2216370	N47°27'00"	W52°55'00"	01NF02ZM0023
727	Thomas Pond	2216370	N47°27'00"	W52°55'01"	04NF02ZM1523
728	Thomas Pond	2216370	N47°27'36"	W52°55'24"	
729	Thorburn Lake	1210930	N48°16'00"	W54°09'00"	01NF02ZJ1370
976	Three Brook Pond	0105920	N51°34'21"	W55°31'25"	
1212	Three Brooks Pond				01NF02YB0002
730	Three Island Pond	2216420	N47°31'00"	W52°54'00"	04NF02ZL1448
731	Three Island Pond	2216420	N47°31'00"	W52°54'01"	04NF02ZL1525
732	Tides Brook	3206410	N47°06'50"	W55°18'00"	00NF02ZG1343
733	Tides Brook (at highway 22)	3206410	N47°07'40"	W55°15'55"	00NF02ZG0001
734	Tilton Pond	2215880	N47°38'00"	W53°18'00"	04NF02ZL1449
735	Tom Taylor's Pond	0604880	N50°38'30"	W57°18'00"	

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
736	Top Pond	3817890	N47°57'00"	W57°31'00"	01NF02ZC3002
737	Top Pond Brook	3817890	N47°57'00"	W57°32'15"	00NF02ZC3000
738	Top Pond Brook	3817890	N47°53'40"	W57°38'30"	
739	Topsail River	2216420	N47°42'00"	W56°04'00"	00NF02YE1319
740	Torbayman's Pond	2416820	N47°40'00"	W52°50'00"	04NF02YM1522
741	Torbayman's Pond	2416820	N47°31'00"	W52°52'00"	01NF02ZM3006
744	Torrent River (at Hawkes Bay)	4704800	N50°36'24"	W57°09'36"	
743	Torrent River (at Hawkes Bay)	4704800	N50°36'30"	W57°08'30"	00NF02YC1206
742	Torrent River (Bristols Pool)	4704800	N50°36'27"	W57°09'03"	00NF02YC0001
745	Tors Cove Pond	2517210	N47°31'00"	W52°53'00"	01NF02ZM3005
746	Traverse Brook	1109750	N48°51'00"	W54°06'00"	00NF02YR1275
747	Triangular Pond	2801930	N47°27'05"	W53°28'00"	04NF02ZK1375
748	Trout Brook	4101200	N48°34'00"	W58°22'00"	00NF02YJ1222
749	Trout Pond	1110790	N48°26'30"	W54°02'00"	01NF02YS0026
751	Trout River	4503520	N49°27'35"	W57°29'03"	00NF02YH0011
750	Trout River (Gros Morne National Park)	4503520	N49°27'36"	W58°07'15"	00NF02YH0011
752	Trouty River	1512620	N48°20'00"	W53°24'00"	00NF02ZJ1366
753	Turk Cove Brook	1815190	N47°56'00"	W53°21'00"	00NF02ZL1447
1197	Two Mile Pond	4604220	N49°50'00"	W57°50'00"	
1236	Unnamed Lake No. 01 (near Wild Cove)	0605570	N49°40'00"	W56°25'00"	01NF02YG0001
819	Unnamed Lake No. 02 (near Sandy Lake)	0605570	N49°21'40"	W56°54'50"	01NF02YK0001
820	Unnamed Lake No. 03 (near Goose Brook)	4402430	N49°08'25"	W56°58'25"	01NF02YK0003
821	Unnamed Lake No. 04 (near Gaff Topsail)	0605570	N49°11'50"	W56°39'45"	01NF02YK0004
822	Unnamed Lake No. 05 (near Glover Island)	4402430	N48°47'45"	W57°39'35"	01NF02YK0006
823	Unnamed Lake No. 06 (near Hinds Lake)	4402430	N48°56'45"	W57°03'15"	01NF02YK0008
824	Unnamed Lake No. 07 (near Adies Pond)	4402430	N49°29'30"	W57°13'20"	01NF02YK0001
825	Unnamed Lake No. 08 (near Tilt Pond)	0604740	N49°53'20"	W55°51'15"	01NF02YM0002
826	Unnamed Lake No. 09 (near Upper Indian Pond)	0605570	N49°32'30"	W56°38'15"	01NF02YM0003
827	Unnamed Lake No. 10 (near Sheffield Lake)	0605570	N49°21'05"	W56°28'25"	01NF02YM0004
828	Unnamed Lake No. 11 (near Gull Pond)	0605570	N49°34'45"	W56°10'00"	01NF02YM0005
829	Unnamed Lake No. 12 (near Middle Arm)	0604820	N49°44'30"	W56°10'00"	01NF02YM0006
830	Unnamed Lake No. 13 (near Burlington)	0504060	N49°50'40"	W56°05'45"	01NF02YM0007

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
831	Unnamed Lake No. 14 (near Red Indian Brook)	0707795	N48°40'30"	W57°23'30"	01NF02YN0006
1237	Unnamed Lake No. 15 (near Sandy Lake)	0707790	N48°40'20"	W56°03'15"	01NF02Y00005
832	Unnamed Lake No. 16 (near Beaver Brook)	0707792	N48°37'10"	W55°44'00"	01NF02Y00006
833	Unnamed Lake No. 17 (at New Bay River)	0606720	N49°12'05"	W55°28'40"	01NF02YP0004
834	Unnamed Lake No. 18 (near Ocean Pond)	0908950	N49°12'05"	W54°08'00"	01NF02YR0005
835	Unnamed Lake No. 19 (near Island Pond West)		N48°10'45"	W54°35'30"	01NF02YS0055
836	Unnamed Lake No. 20 (near Kepenkeck Lake)	1612980	N48°16'15"	W54°55'00"	01NF02YS0056
837	Unnamed Lake No. 21 (near South Branch River)		N47°57'50"	W58°48'25"	01NF02ZA0001
838	Unnamed Lake No. 22 (near Mount Howley)	4000960	N48°14'15"	W58°28'55"	01NF02ZA0003
839	Unnamed Lake No. 23 (near Bay de Vieux)		N47°57'50"	W58°48'25"	01NF02ZC0001
840	Unnamed Lake No. 24 (near Knowles Brook)	3717440	N47°48'05"	W57°18'45"	01NF02ZC0002
841	Unnamed Lake No. 25 (near Peter Snout)	3818190	N47°53'55"	W57°57'25"	01NF02ZC0004
842	Unnamed Lake No. 26 (near Granite Lake)	3717740	N48°05'10"	W56°53'25"	01NF02ZC0007
843	Unnamed Lake No. 27 (near Dollard Pond)	3615270	N47°48'40"	W56°34'55"	01NF02ZD0001
844	Unnamed Lake No. 28 (near Wolf Lake)	3614070	N47°04'30"	W56°41'35"	01NF02ZD0002
845	Unnamed Lake No. 29 (near Great Burnt Lake)	3614070	N48°23'20"	W56°10'25"	01NF02ZE0003
846	Unnamed Lake No. 30 (near Kaegudeck Lake)	3614070	N48°07'10"	W55°16'05"	01NF02ZF0002
847	Unnamed Lake No. 31 (near Gisbourne Lake)	1109700	N47°50'05"	W54°49'15"	01NF02ZF0003
755	Unnamed Lake (Cat Arm Watershed - No. 1)	0402600	N50°03'18"	W56°55'48"	
756	Unnamed Lake (Cat Arm Watershed - No. 2)	0402600	N50°00'18"	W56°59'12"	
757	Unnamed Lake (Cat Arm Watershed - No. 3)	0402600	N50°02'30"	W56°59'24"	
758	Unnamed Lake (Cat Arm Watershed - No. 4)	0402600	N50°02'48"	W56°48'42"	
759	Unnamed Lake (Cat Arm Watershed - No. 5)	0402600	N50°07'36"	W56°56'54"	
768	Unnamed Lake (Gros Morne National Park No. 243-216)	4502430	N49°34'05"	W57°38'05"	
769	Unnamed Lake (Gros Morne National Park No. 243-221a)	4502430	N44°29'05"	W57°30'30"	
770	Unnamed Lake (Gros Morne National Park No. 243-225)	4502430	N49°27'45"	W57°30'10"	
771	Unnamed Lake (Gros Morne National Park No. 243-227a)	4502430	N49°27'10"	W57°31'10"	
766	Unnamed Lake (Gros Morne National Park No. 243-77)	4502430	N49°41'25"	W57°42'00"	
767	Unnamed Lake (Gros Morne National Park No. 243-91)	4502430	N49°40'50"	W57°39'25"	
772	Unnamed Lake (Gros Morne National Park No. 392-29)	4503920	N49°28'10"	W57°32'05"	
773	Unnamed Lake (Gros Morne National Park No. 392-30)	4503920	N49°28'15"	W57°32'00"	
774	Unnamed Lake (Gros Morne National Park No. 392-31)	4503920	N49°28'25"	W57°30'30"	

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
776	Unnamed Lake (Gros Morne National Park No. 412-10a)	4504120	N49°41'40"	W57°46'20"	
777	Unnamed Lake (Gros Morne National Park No. 412-51)	4504120	N49°38'10"	W57°41'40"	
778	Unnamed Lake (Gros Morne National Park No. 412-61)	4504120	N49°38'05"	W57°39'50"	
775	Unnamed Lake (Gros Morne National Park No. 412-8)	4504120	N49°41'15"	W57°49'05"	
781	Unnamed Lake (Gros Morne National Park No. 422-117)	4604220	N49°41'05"	W57°42'20"	
779	Unnamed Lake (Gros Morne National Park No. 422-84)	4604220	N49°43'15"	W57°35'50"	
780	Unnamed Lake (Gros Morne National Park No. 422-88a)	4604220	N49°42'55"	W57°46'20"	
784	Unnamed Lake (Gros Morne National Park No. 435-13a)	4604350	N49°48'45"	W57°32'00"	
783	Unnamed Lake (Gros Morne National Park No. 435-13)	4604350	N49°48'05"	W57°31'55"	
785	Unnamed Lake (Gros Morne National Park No. 435-18)	4604350	N49°48'15"	W57°31'10"	
782	Unnamed Lake (Gros Morne National Park No. 435-9)	4604350	N49°48'55"	W57°31'30"	
786	Unnamed Lake (Gros Morne National Park No. 456-29)	4604560	N49°54'13"	W57°31'15"	
763	Unnamed Lake (Gros Morne National Park No. E311-1)	4503110	N49°47'55"	W57°30'20"	
765	Unnamed Lake (Gros Morne National Park No. E311-28)	4503110	N49°48'40"	W57°29'10"	
764	Unnamed Lake (Gros Morne National Park No. E311-6)	4503110	N49°46'05"	W57°31'00"	
787	Unnamed Lake (L'anse au Meadows Park No. 588a2a)	0105880	N51°33'44"	W55°34'30"	
789	Unnamed Lake (L'anse au Meadows Park No. 588a3d7a)	0105880	N51°34'07"	W55°32'43"	
788	Unnamed Lake (L'anse au Meadows Park No. 588a3dG	0105880	N51°33'51"	W55°32'59"	
790	Unnamed Lake (L'anse au Meadows Park No. 588a3e(a)a)	0105880	N51°34'12"	W55°32'31"	
791	Unnamed Lake (L'anse au Meadows Park No. 589Aa)	0105890	N51°33'52"	W55°35'18"	
792	Unnamed Lake (L'anse au Meadows Park No. 589B1a)	0105890	N51°34'13"	W55°35'17"	
795	Unnamed Lake (L'anse au Meadows Park No. 589G9a)	0105890	N51°34'33"	W55°33'45"	
793	Unnamed Lake (L'anse au Meadows Park No. 589Ga2b)	0105890	N51°33'59"	W55°34'00"	
794	Unnamed Lake (L'anse au Meadows Park No. 589Gb)	0105890	N51°34'49"	W55°33'55"	
796	Unnamed Lake (L'anse au Meadows Park No. 589Gc)	0105890	N51°34'24"	W55°33'28"	
797	Unnamed Lake (L'anse au Meadows Park No. 5891a)	0105890	N51°35'11"	W55°34'06"	
800	Unnamed Lake (L'anse au Meadows Park No. 591b)	0105910	N51°34'37"	W55°32'41"	
802	Unnamed Lake (L'anse au Meadows Park No. 591C(10)a)	0105910	N51°34'26"	W55°32'34"	
801	Unnamed Lake (L'anse au Meadows Park No. 591C)	0105910	N51°34'20"	W55°32'48"	
798	Unnamed Lake (L'anse au Meadows Park No. 591.7a)	0105910	N51°34'38"	W55°32'49"	
799	Unnamed Lake (L'anse au Meadows Park No. 591.7b)	0105910	N51°34'36"	W55°33'02"	
803	Unnamed Lake (L'anse au Meadows Park No. 592a4(1)a)	0105920	N51°34'24"	W55°32'28"	

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
804	Unnamed Lake (L'anse au Meadows Park No. 592a(4)a)	0105920	N51°34'20"	W55°32'35"	
805	Unnamed Lake (L'anse au Meadows Park No. 592a(5)a)	0105920	N51°34'33"	W55°32'15"	
806	Unnamed Lake (L'anse au Meadows Park No. 592a(6.1)a)	0105920	N51°34'38"	W55°32'13"	
807	Unnamed Lake (L'anse au Meadows Park No. 592a(6)a)	0105920	N51°34'42"	W55°32'16"	
818	Unnamed Lake (L'anse au Meadows Park No. 592d)	0105920	N51°33'57"	W55°30'05"	
810	Unnamed Lake (L'anse au Meadows Park No. 592.10c)	0105920	N51°34'25"	W55°30'20"	
811	Unnamed Lake (L'anse au Meadows Park No. 592.10a)	0105920	N51°34'28"	W55°30'07"	
812	Unnamed Lake (L'anse au Meadows Park No. 592.14a)	0105920	N51°34'15"	W55°31'04"	
814	Unnamed Lake (L'anse au Meadows Park No. 592.14b)	0105920	N51°34'08"	W55°31'05"	
816	Unnamed Lake (L'anse au Meadows Park No. 592.14c)	0105920	N51°33'55"	W55°30'55"	
813	Unnamed Lake (L'anse au Meadows Park No. 592.14.1a)	0105920	N51°34'12"	W55°31'11"	
815	Unnamed Lake (L'anse au Meadows Park No. 592.14(2)a)	0105920	N51°34'05"	W55°30'50"	
808	Unnamed Lake (L'anse au Meadows Park No. 592.9a)	0105920	N51°34'32"	W55°31'41"	
809	Unnamed Lake (L'anse au Meadows Park No. 592.9b)	0105920	N51°34'28"	W55°31'42"	
817	Unnamed Lake (L'anse au Meadows Park No. 592(15)a)	0105920	N51°34'08"	W55°30'04"	
754	Unnamed Lake (Point Lance Road)	2802380	N46°52'00"	W54°01'00"	
760	Unnamed Lake (Terra Nova National Park No. 1)	1110770	N48°33'00"	W53°52'00"	01NF02YS0015
761	Unnamed Lake (Terra Nova National Park No. 2)	1110770	N48°33'00"	W53°51'00"	01NF02YS0016
762	Unnamed Lake (Terra Nova National Park No. 3)	1110770	N48°30'30"	W53°55'50"	01NF02YS0008
901	Unnamed River (Red Indian Lake No. 1)	0707790	N48°32'54"	W57°10'06"	
902	Unnamed River (Red Indian Lake No. 2)	0707790	N48°34'12"	W57°02'24"	
903	Unnamed River (Red Indian Lake No. 3)	0707790	N48°41'12"	W56°52'18"	
904	Unnamed River (Red Indian Lake No. 4)	0707790	N48°44'54"	W56°48'24"	
1238	Unnamed River (Red Indian Lake No. 5)	0707790	N48°47'54"	W56°41'06"	
905	Unnamed River (Red Indian Lake No. 6)	0707790	N48°40'54"	W56°56'24"	
906	Unnamed River (Red Indian Lake No. 7)	0707790	N48°43'18"	W56°54'36"	
907	Unnamed River (Red Indian Lake No. 8)	0707790	N48°48'30"	W56°32'30"	
849	Unnamed Stream (Gros Morne National Park No. 353)	4503530	N49°29'20"	W58°04'56"	
850	Unnamed Stream (Gros Morne National Park No. 356)	4503560	N49°28'47"	W57°58'54"	
851	Unnamed Stream (Gros Morne National Park No. 365)	4503650	N49°30'52"	W57°55'17"	
852	Unnamed Stream (Gros Morne National Park No. 366)	4503660	N49°30'33"	W57°55'16"	
853	Unnamed Stream (Gros Morne National Park No. 367)	4503670	N49°30'17"	W57°55'08"	

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
854	Unnamed Stream (Gros Morne National Park No. 370)	4503700	N49°28'53"	W57°55'00"	
855	Unnamed Stream (Gros Morne National Park No. 373)	4503730	N49°25'56"	W57°53'50"	
856	Unnamed Stream (Gros Morne National Park No. 389)	4503890	N49°27'42"	W57°45'41"	
857	Unnamed Stream (Gros Morne National Park No. 394)	4503940	N49°27'35"	W57°40'27"	
858	Unnamed Stream (Gros Morne National Park No. 395)	4503950	N49°28'14"	W57°42'59"	
859	Unnamed Stream (Gros Morne National Park No. 396)	4503960	N49°28'48"	W57°44'00"	
860	Unnamed Stream (Gros Morne National Park No. 397)	4503970	N49°28'48"	W57°44'00"	
861	Unnamed Stream (Gros Morne National Park No. 398)	4503980	N49°29'49"	W57°47'03"	
862	Unnamed Stream (Gros Morne National Park No. 399)	4503990	N49°30'06"	W57°47'25"	
863	Unnamed Stream (Gros Morne National Park No. 400)	4504000	N49°30'31"	W57°48'41"	
864	Unnamed Stream (Gros Morne National Park No. 401)	4504010	N49°32'25"	W57°49'58"	
865	Unnamed Stream (Gros Morne National Park No. 402)	4504020	N49°33'37"	W57°50'02"	
866	Unnamed Stream (Gros Morne National Park No. 403)	4504030	N49°34'02"	W57°50'04"	
867	Unnamed Stream (Gros Morne National Park No. 409)	4504090	N49°36'14"	W57°55'47"	
868	Unnamed Stream (Gros Morne National Park No. 410)	4504100	N49°37'37"	W57°57'19"	
869	Unnamed Stream (Gros Morne National Park No. 411)	4504110	N49°38'04"	W57°57'22"	
870	Unnamed Stream (Gros Morne National Park No. 414)	4504140	N49°40'10"	W57°57'21"	
871	Unnamed Stream (Gros Morne National Park No. 416)	4504160	N49°44'06"	W57°55'51"	
872	Unnamed Stream (Gros Morne National Park No. 417)	4504170	N49°45'03"	W57°55'04"	
873	Unnamed Stream (Gros Morne National Park No. 418)	4504180	N49°45'35"	W57°54'53"	
874	Unnamed Stream (Gros Morne National Park No. 419)	4604190	N49°46'33"	W57°53'31"	
875	Unnamed Stream (Gros Morne National Park No. 420)	4604200	N49°47'56"	W57°52'17"	
876	Unnamed Stream (Gros Morne National Park No. 421)	4604210	N49°49'13"	W57°51'44"	
877	Unnamed Stream (Gros Morne National Park No. 424)	4604240	N49°50'10"	W57°48'00"	
878	Unnamed Stream (Gros Morne National Park No. 425)	4604250	N49°49'35"	W57°47'38"	
879	Unnamed Stream (Gros Morne National Park No. 426)	4604260	N49°49'08"	W57°47'25"	
880	Unnamed Stream (Gros Morne National Park No. 427)	4604270	N49°48'56"	W57°47'25"	
881	Unnamed Stream (Gros Morne National Park No. 428)	4604280	N49°48'53"	W57°45'57"	
882	Unnamed Stream (Gros Morne National Park No. 429)	4604200	N49°48'52"	W57°45'22"	
883	Unnamed Stream (Gros Morne National Park No. 430)	4604300	N49°48'50"	W57°45'03"	
884	Unnamed Stream (Gros Morne National Park No. 431)	4604310	N49°49'08"	W57°43'19"	
885	Unnamed Stream (Gros Morne National Park No. 432)	4604320	N49°49'12"	W57°42'53"	

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
886	Unnamed Stream (Gros Morne National Park No. 433)	4604330	N49°49'02"	W57°41'50"	
887	Unnamed Stream (Gros Morne National Park No. 434)	4604340	N49°49'00"	W57°41'34"	
888	Unnamed Stream (Gros Morne National Park No. 436)	4604360	N49°49'29"	W57°39'38"	
889	Unnamed Stream (Gros Morne National Park No. 437)	4604370	N49°49'39"	W57°39'47"	
890	Unnamed Stream (Gros Morne National Park No. 438)	4604380	N49°49'43"	W57°41'44"	
891	Unnamed Stream (Gros Morne National Park No. 439)	4604390	N49°50'23"	W57°41'44"	
892	Unnamed Stream (Gros Morne National Park No. 440)	4604400	N49°50'33"	W57°42'13"	
893	Unnamed Stream (Gros Morne National Park No. 441)	4604410	N49°51'04"	W57°43'53"	
894	Unnamed Stream (Gros Morne National Park No. 442)	4604420	N49°51'12"	W57°44'09"	
895	Unnamed Stream (Gros Morne National Park No. 445)	4604450	N49°52'10"	W57°45'13"	
896	Unnamed Stream (Gros Morne National Park No. 446)	4604460	N49°52'20"	W57°45'41"	
897	Unnamed Stream (Gros Morne National Park No. 447)	4604770	N49°52'12"	W57°45'72"	
898	Unnamed Stream (Gros Morne National Park No. 455)	4504550	N49°58'19"	W57°45'31"	
899	Unnamed Stream (L'Anse-au-Meadow Nat. Hist. Park No. 589H)	0103890	N51°34'54"	W55°32'50"	
900	Unnamed Stream (Near Agricultural Centre)	2416820	N47°30'50"	W52°46'55"	00NF02ZM0006
908	Upper Buchans Brook	0707790	N48°49'50"	W56°50'05"	
909	Upper Humber River (at Highway 44 Bridge)	4402430	N49°11'15"	W57°27'00"	00NF02YL0002
911	Upper Humber River (at outlet Unnamed Lake)	4402430	N49°42'00"	W57°29'03"	00NF02YL0010
910	Upper Humber River (near Reidville)	4402430	N49°14'27"	W57°21'45"	00NF02YL0001
912	Upper Trout River Pond	4503520	N49°23'45"	W58°01'05"	01NF02YG0003
913	Valley Pond	2802380	N46°53'00"	W53°57'18"	01NF02ZK3018
914	Victoria Lake	070779F	N48°18'00"	W57°20'00"	01NF02YN1238
916	Victoria Lake	070779F	N48°15'00"	W57°22'42"	
915	Victoria Lake (at dam)	070779F	N48°18'00"	W57°20'01"	01NF02YN1239
917	Victoria River	070779F	N48°44'42"	W56°40'36"	
918	Virginia Lake	2416810	N47°35'00"	W52°42'00"	01NF02ZM1526
919	Waterfall Brook	2307140	N46°57'45"	W55°23'45"	00NF02ZG1345
920	Waterford River	2416820	N47°33'00"	W52°43'00"	
922	Waterford River (Bowring Park)	2416820	N47°35'00"	W52°43'00"	00NF02ZM1530
921	Waterford River (Commonwealth Ave. Bridge)	2416820	N47°31'20"	W52°48'30"	00NF02ZM0004
924	Waterford River (Donovans Industrial Park)	2416820	N47°31'15"	W52°46'40"	00NF02ZM0012
923	Waterford River (Dunns Road Bridge)	2416820	N47°31'15"	W52°46'40"	00NF02ZM0012
925	Waterford River (Kilbride Gauge)	2416820	N47°31'47"	W52°44'32"	00NF02ZM0009

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
926	Watts Pond	2416700	N47°40'00"	W52°44'00"	04NF02ZM1529
927	Weir's Pond	0908611	N49°13'00"	W54°23'00"	04NF02YQ1263
928	Weir's Pond	0908611	N49°11'35"	W54°25'50"	01NF02YR0003
929	West Brook	0605640	N49°30'00"	W56°00'00"	00NF02YP1254
931	West Dam Pond		N47°37'00"	W52°59'00"	01NF02ZM0009
930	West Dam (on river in Eddie's Cove)	0605390	N51°24'48"	W56°27'30"	00NF02YA3000
942	West Pond	0605190	N49°22'35"	W56°14'40"	01NF02YP0006
941	West Pond (Hall's Bay)	0605641	N49°24'00"	W56°12'00"	04NF02YM1234
943	West River Brook	4905190	N51°11'00"	W56°46'00"	00NF02YA1201
933	Western Bay Brook	2015600	N47°52'50"	W53°06'00"	00NF02ZL1431
932	Western Brook	4604220	N49°50'00"	W57°52'00"	00NF02YE3000
934	Western Brook	4604220	N49°49'20"	W57°51'45"	00NF02YE1212
935	Western Brook	4604220	N49°47'15"	W57°50'16"	00NF02YE0002
936	Western Brook	4604220	N49°49'47"	W57°51'22"	
937	Western Brook Pond	4604220	N49°44'05"	W57°46'25"	
1201	Western Brook Pond (at outlet)	4604220	N49°47'00"	W57°50'30"	
1202	Western Brook Pond (at westend)	4604220	N49°43'00"	W57°39'30"	
1203	Western Brook Pond (in gorge)	4604220	N49°43'30"	W57°42'00"	
1204	Western Brook Pond (lakehead)	4604220	N49°47'30"	W57°48'30"	
938	Western Island Pond	2416720	N47°38'00"	W52°46'00"	04NF02ZM1531
939	Western Pond (Ste. Genevieve Bay)	4905170	N51°11'00"	W56°01'12"	
940	Western Pond (Winterton)	1815200	N47°57'05"	W53°17'42"	01NF02ZL3015
944	Whirl Pond	1412240	N48°30'12"	W53°06'06"	01NF02ZJ3003
946	White Bear Lake	3717440	N48°04'40"	W57°23'30"	01NF02ZC0006
945	White Bear Lake	3717440	N48°04'45"	W57°22'35"	01NF02ZC1313
947	White Bear River	3717440	N47°58'20"	W57°18'30"	00NF02ZC1312
948	White Point Pond	1110800	N48°25'30"	W54°03'45"	01NF02YS0024
949	White Water Pond	0908680	N49°22'48"	W54°17'06"	01NF02YR3001
950	Whiteway Brook	1815000	N47°41'00"	W53°29'00"	00NF02ZL1450
951	Widgeon Pond		N47°41'00"	W55°26'00"	01NF02ZF3001
952	Wigwam Pond	4503920	N49°24'30"	W57°37'30"	01NF01YH0001
1200	Wigwam Pond	4503920	N49°24'30"	W57°37'31"	
953	Wild Cove		N49°38'12"	W54°48'30"	

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Table 1. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
955	Wild Pond		N49°40'24"	W54°47'30"	01NF02Y03014
954	Wilding Lake	0707790	N48°23'40"	W56°49'35"	01NF02Y00008
963	Windmill Brook	0909030	N49°17'00"	W53°34'00"	00NF02YR1277
957	Windsor Lake	2316470	N47°36'00"	W52°48'00"	01NF02ZM1527
956	Windsor Lake	2316470	N47°36'00"	W52°47'00"	
959	Winterhouse Brook	4503690	N49°28'49"	W57°58'53"	
958	Winterhouse Brook	4503690	N49°29'12"	W57°55'41"	
961	Winterhouse Pond	4804920	N50°42'12"	W57°23'12"	01NF02YC3000
960	Winterhouse Pond	4804920	N50°42'00"	W57°22'00"	
962	Winterton Brook	1815200	N47°58'00"	W53°20'00"	00NF02ZL1451
964	Withrod Pond	2416700	N47°40'00"	W52°45'00"	04NF02ZM1528
965	Witless Bay Brook	2717150	N47°17'00"	W52°50'15"	00NF02ZM1487
966	Wood Lake	3614070	N48°10'00"	W56°47'42"	
967	Woody Pond	4604220	N49°44'15"	W57°40'45"	
968	Wyses Pond	2902980	N47°15'12"	W53°50'42"	01NF02ZF3000
969	Yudie Pond	1110790	N48°26'30"	W54°02'00"	01NF02YS0025
985	Yudie Pond South	1110790	N48°26'00"	W54°02'00"	01NF02YS0030

Table 2. Station listing - Labrador.

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
1026	Adlatok River	5317900	N55°09'00"	W60°38'00"	00NF03NF1047
1027	Adlavik Brook	5315080	N54°51'00"	W59°00'00"	00NF03NB1016
1485	Albert Lake	5210530	N52°58'00"	W66°45'00"	01NF030C1079
1028	Anaktalik Brook	5320920	N56°29'00"	W62°05'00"	00NF03NE1037
1029	Anaktalik Lake	5320920	N56°30'00"	W62°50'00"	01NF03NE1038
1030	Anne Marie Lake	5210530	N52°26'00"	W60°51'00"	01NF030E1105
1278	Ashuanapi River (Mile 09 - Esker Road)	5210530	N53°49'00"	W66°21'00"	00NF030A1066
1279	Ashuanapi River (Mile 24 - Orma Road)	5210530	N53°44'00"	W63°31'00"	00NF03PA1131
1280	Ashuanapi River (Mile 40 - Esker Road)	5210530	N53°47'00"	W65°46'00"	00NF030C1088
1281	Ashuanapi River (Mile 45 - Orma Road)	5210530	N53°48'00"	W63°22'00"	00NF03PA1132
1031	Ashuanipi Lake	5210530	N52°35'00"	W65°58'00"	01NF030C1080
1032	Atikonak Lake	5210530	N52°32'00"	W64°40'00"	
1033	Atikonak Lake	5210530	N52°43'00"	W64°31'00"	01NF030C1081
1034	Atikonak Lake	5210530	N52°38'30"	W64°38'00"	
1035	Barrow Lake	5207320	N53°43'00"	W57°42'00"	
1036	Base Pond	5206400	N53°42'00"	W57°02'00"	
1037	Beaver Brook	5210530	N52°54'00"	W61°51'00"	00NF030E1106
1038	Beaver River	5211046	N53°42'00"	W60°57'00"	00NF03PB1133
1039	Beverly Lake	No Code	N52°56'00"	W66°58'00"	01NF030A3002
1040	Big Bight Brook	5315300	N55°00'00"	W59°04'00"	00NF03NG1052
1041	Big River	5315040	N54°51'00"	W58°56'00"	00NF03PC1142
1042	Birch Lake	5210530	N54°14'00"	W65°52'00"	
1043	Birch Lake	5210530	N54°16'24"	W65°52'18"	
1044	Birch Lake	5210530	N54°06'00"	W65°34'00"	01NF030B1073
1045	Black Brook	5102440	N52°32'00"	W56°18'00"	00NF03QC3004
1046	Black Rock Brook	5000340	N51°36'00"	W56°41'00"	
1047	Blueberry Lake Stream	5210530	N53°23'00"	W63°53'00"	01NF030D1093
1048	Cabot Lake	5320060	N56°09'00"	W62°38'00"	01NF03NE1039
1049	Cache River	5210530	N53°05'00"	W62°13'00"	00NF030E1107
1052	Caroline Brook	5210530	N53°16'00"	W60°32'00"	00NF030E1108
1053	Charlottetown River	5103320	N52°43'00"	W56°08'00"	
1061	Churchill River WQ-01	5210530	N53°21'00"	W60°10'00"	
1062	Churchill River WQ-02	5210530	N53°18'00"	W60°14'00"	

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Table 2. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
1063	Churchill River WQ-03	5210530	N53°17'00"	W60°18'00"	
1064	Churchill River WQ-04	5210530	N53°16'00"	W60°23'00"	
1065	Churchill River WQ-05	5210530	N53°16'00"	W60°31'00"	
1066	Churchill River WQ-06	5210530	N53°17'00"	W60°26'00"	
1067	Churchill River WQ-07	5210530	N53°16'00"	W60°34'00"	
1068	Churchill River WQ-08	5210530	N53°16'00"	W60°37'00"	
1069	Churchill River WQ-09	5210530	N53°14'00"	W60°40'00"	
1070	Churchill River WQ-10	5210530	N53°14'00"	W60°42'00"	
1071	Churchill River WQ-11	5210530	N53°13'00"	W60°52'00"	
1072	Churchill River WQ-12	5210530	N53°15'00"	W60°47'00"	
1073	Churchill River WQ-13	5210530	N53°12'00"	W60°54'00"	
1074	Churchill River WQ-14	5210530	N53°11'00"	W60°56'00"	
1075	Churchill River WQ-15	5210530	N53°10'00"	W61°00'00"	
1076	Churchill River WQ-16	5210530	N53°07'00"	W61°02'00"	
1077	Churchill River WQ-17	5210530	N53°07'00"	W61°07'00"	
1078	Churchill River WQ-18	5210530	N53°06'00"	W61°07'00"	
1079	Churchill River WQ-19	5210530	N53°03'00"	W61°12'00"	
1080	Churchill River WQ-20	5210530	N53°02'00"	W61°14'00"	
1081	Churchill River WQ-21	5210530	N52°59'00"	W61°17'00"	
1082	Churchill River WQ-22	5210530	N52°58'00"	W61°18'00"	
1083	Churchill River WQ-23	5210530	N52°57'00"	W61°20'00"	
1084	Churchill River WQ-24	5210530	N52°56'00"	W61°20'00"	
1085	Churchill River WQ-25	5210530	N52°59'00"	W61°29'00"	
1086	Churchill River WQ-26	5210530	N53°00'00"	W61°33'00"	
1087	Churchill River WQ-27	5210530	N53°00'00"	W61°34'00"	
1088	Churchill River WQ-28	5210530	N52°57'00"	W61°37'00"	
1089	Churchill River WQ-29	5210530	N52°56'00"	W61°37'00"	
1090	Churchill River WQ-30	5210530	N52°54'00"	W61°38'00"	
1091	Churchill River WQ-31	5210530	N52°53'00"	W61°37'00"	
1092	Churchill River WQ-32	5210530	N52°52'00"	W61°41'00"	
1093	Churchill River WQ-33	5210530	N52°53'00"	W61°44'00"	
1094	Churchill River WQ-34	5210530	N52°54'00"	W61°48'00"	
1095	Churchill River WQ-35	5210530	N52°54'00"	W61°51'00"	

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Table 2. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
1096	Churchill River WQ-36	5210530	N52°54'00"	W61°55'00"	
1097	Churchill River WQ-37	5210530	N52°54'00"	W61°59'00"	
1098	Churchill River WQ-38	5210530	N52°55'00"	W62°02'00"	
1099	Churchill River WQ-39	5210530	N52°55'00"	W62°06'00"	
1100	Churchill River WQ-40	5210530	N52°55'00"	W62°09'00"	
1101	Churchill River WQ-41	5210530	N52°54'00"	W62°11'00"	
1102	Churchill River WQ-42	5210530	N52°57'00"	W62°14'00"	
1103	Churchill River WQ-43	5210530	N52°58'00"	W62°14'00"	
1104	Churchill River WQ-44	5210530	N53°02'00"	W62°12'00"	
1105	Churchill River WQ-45	5210530	N53°04'00"	W62°12'00"	
1106	Churchill River WQ-46	5210530	N53°05'00"	W62°16'00"	
1107	Churchill River WQ-47	5210530	N53°06'00"	W62°18'00"	
1108	Churchill River WQ-48	5210530	N53°06'00"	W62°20'00"	
1109	Churchill River WQ-49	5210530	N53°07'00"	W62°22'00"	
1110	Churchill River WQ-50	5210530	N53°09'00"	W62°25'00"	
1111	Churchill River WQ-51	5210530	N53°09'00"	W62°31'00"	
1112	Churchill River WQ-52	5210530	N53°09'00"	W62°33'00"	
1113	Churchill River WQ-53	5210530	N53°09'00"	W62°38'00"	
1114	Churchill River WQ-54	5210530	N53°09'00"	W62°40'00"	
1115	Churchill River WQ-55	5210530	N53°09'00"	W62°42'00"	
1116	Churchill River WQ-56	5210530	N53°09'00"	W62°46'00"	
1117	Churchill River WQ-57	5210530	N53°10'00"	W62°46'00"	
1118	Churchill River WQ-58	5210530	N53°11'00"	W62°53'00"	
1119	Churchill River WQ-59	5210530	N55°11'00"	W62°57'00"	
1120	Churchill River WQ-60	5210530	N53°12'00"	W63°01'00"	
1121	Churchill River WQ-61	5210530	N53°13'00"	W63°06'00"	
1122	Churchill River WQ-62	5210530	N53°12'00"	W63°08'00"	
1123	Churchill River WQ-63	5210530	N53°15'00"	W63°16'00"	
1124	Churchill River WQ-64	5210530	N53°18'00"	W63°25'00"	
1125	Churchill River WQ-65	5210530	N53°18'00"	W63°22'00"	
1126	Churchill River WQ-66	5210530	N53°22'00"	W63°33'00"	
1127	Churchill River WQ-67	5210530	N53°28'00"	W63°43'00"	
1128	Churchill River WQ-68	5210530	N53°29'00"	W63°49'00"	

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Table 2. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
1129	Churchill River WQ-69	5210530	N53°29'00"	W63°51'00"	
1130	Churchill River WQ-70	5210530	N53°30'00"	W63°57'00"	
1131	Churchill River WQ-71	5210530	N53°31'00"	W63°59'00"	
1060	Churchill River (48 km south of Winokapau Lake)	5210530	N52°45'00"	W62°00'00"	00NF030E1109
1055	Churchill River (at Flour Lake)	5210530	N53°44'30"	W64°38'30"	00NF030B0001
1054	Churchill River (at Muskrat Falls)	5210530	N53°15'30"	W60°45'00"	00NF030E0001
1057	Churchill River (Jacopie Structure)	5210530	N53°31'00"	W64°12'00"	00NF030D1094
1056	Churchill River (Lobstick Structure)	5210530	N53°44'00"	W64°44'00"	00NF030B1074
1059	Churchill River (Tailrace)	5210530	N53°27'00"	W63°50'00"	00NF030D1096
1058	Churchill River (Whitefish Structure)	5210530	N53°28'00"	W64°04'00"	00NF030D1095
1132	Crooks Lake	5206820	N52°40'00"	W59°25'00"	01NF03QC1151
1133	Davis Inlet Spring		N55°58'00"	W60°57'00"	
1134	De Mille Lake	5210530	N52°03'00"	W66°33'00"	01NF030A1060
1135	Disappointment Lake	5210530	N53°39'00"	W62°30'00"	01NF030E1111
1136	Dominion Lake	5210530	N52°28'00"	W61°39'00"	01NF030E1112
1137	Dominion Lake	5210530	N52°47'54"	W61°50'00"	
1142	Dominion River Tributary (1) - Station 1	5210530	N52°48'36"	W61°54'30"	
1143	Dominion River Tributary (1) - Station 2	5210530	N52°47'36"	W61°51'12"	
1144	Dominion River Tributary (1) - Station 3	5210530	N52°48'00"	W61°50'00"	
1145	Dominion River Tributary (2) - Station 1	5210530	N52°44'00"	W61°48'00"	
1138	Dominion River - Station 1	5210530	N52°45'00"	W61°46'00"	
1139	Dominion River - Station 2	5210530	N52°51'48"	W61°50'39"	
1140	Dominion River - Station 3	5210530	N52°52'30"	W61°50'45"	
1141	Dominion River - Station 4	5210530	N52°53'30"	W61°50'36"	
1146	Doody Lake	5207320	N53°49'00"	W57°39'00"	
1147	Double Mer River	5212880	N54°03'00"	W59°35'00"	00NF03PC1143
1148	Dumbell Lake	5210530	N52°30'00"	W65°40'00"	01NF030C1082
1149	Eagle Lake	5206820	N53°25'00"	W57°15'00"	01NF03QC1152
1151	Eagle River	5206820	N53°06'00"	W58°02'00"	
1150	Eagle River (above Eagle Falls)	5206820	N53°27'30"	W57°33'30"	00NF03QC0001
1152	Eclipse River	5329240	N59°47'00"	W64°15'00"	00NF03NB1017
1153	Elizabeth River	5210530	N53°15'00"	W63°18'00"	00NF030D1097
1154	Elizabeth River - Station 1	5210530	N53°15'15"	W63°22'18"	

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Table 2. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
1155	Elizabeth River - Station 2	5210530	N53°14'30"	W63°18'24"	
1156	Elizabeth River - Station 3	5210530	N53°16'00"	W63°25'64"	
1157	Elizabeth River - Station 4	5210530	N53°24'24"	W63°45'54"	
1158	Emerillon Lake	5210530	N53°05'00"	W66°20'00"	01NF030A1061
1159	English River	5209000	N53°53'00"	W58°51'00"	00NF03QB1150
1160	Esker Lake	5321420	N54°21'00"	W66°13'00"	01NF030B0002
1161	Esker Lake	5321420	N57°09'00"	W62°55'00"	01NF03ND1032
1163	Fig River	5210530	N53°09'00"	W63°08'00"	
1162	Fig River	5210530	N53°12'00"	W63°13'00"	00NF02WB1001
1164	First Lake (Forteau River)	5000120	N51°31'00"	W56°51'00"	01NF02XD1005
1165	Flour Lake	5210530	N53°35'00"	W64°37'00"	01NF030D1098
1166	Flower's River	5319480	N55°43'00"	W60°56'00"	00NF03NF1048
1167	Forteau Municipal Water Supply (Richards Brook)	5000120	N51°28'00"	W56°57'00"	00NF02XD3002
1168	Forteau River	5000120	N51°30'00"	W56°58'00"	00NF02XD1006
1169	Fraser River	5321160	N56°37'00"	W62°15'00"	00NF03ND1033
1170	Fraser River	5321160	N56°37'00"	W62°15'01"	00NF03ND1033
1171	Fremont Lake	5311047	N54°06'00"	W63°15'00"	
1172	Gabbro Lake	5210530	N53°38'00"	W65°08'00"	01NF030C1083
1173	Gosling Lake	5210820	N53°26'00"	W60°26'00"	
1174	Grace Lake	5210530	N52°16'00"	W65°45'00"	01NF030C1084
1175	Grand Lake	5211040	N53°32'00"	W60°06'00"	01NF03PB1136
1176	Grande Hermine Lake	5210530	N53°10'00"	W66°22'00"	01NF030A1062
1177	Green Pond (Mile 83-Esker Road)		N52°31'00"	W64°30'00"	
1178	Gull Island	5210530	N52°58'00"	W61°22'00"	00NF030E1113
1179	Gull Lake	5210530	N52°59'00"	W61°19'00"	01NF030E1114
1180	Harp Lake	5317900	N55°05'00"	W61°49'00"	01NF03NF1049
1183	Hebron Fiord River	5324640	N58°04'00"	W63°02'00"	00NF03NB1020
1184	Hebron Lake	5324640	N58°08'00"	W63°38'00"	01NF03NB1018
1182	Hebron (Unnamed)	5324760	N57°59'00"	W63°23'00"	00NF03NB1019
1181	Hebron (Unnamed)	5324800	N58°03'00"	W63°14'00"	00NF03NB1021
1185	Huguette Lake	5210530	N52°54'00"	W67°05'00"	01NF030A1063
1186	Humby's Brook (Port Hope Simpson)	5102440	N52°32'00"	W56°18'00"	00NF03QC3002
1187	Hunt River	5319220	N55°33'00"	W60°38'00"	00NF03NF1050

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Table 2. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
1188	IGA Reservoir Pond (Cartwright)	5206400	N53°42'00"	W57°02'00"	
1189	Ironstone River	5210530	N52°55'00"	W67°00'00"	00NF030A1064
1190	Kalpakok River	5316080	N54°46'00"	W59°57'00"	00NF03NG1054
1191	Kamanatsuk Brook	5321400	N56°45'00"	W62°33'00"	00NF03ND1034
1050	Kanairiktok River	5317330	N54°58'00"	W60°22'00"	00NF03NG1053
1240	Kangalakslorvik Lake (upper)	5328700	N59°24'00"	W64°11'00"	01NF03NA1012
1241	Kingurutik River	5321420	N56°45'00"	W62°30'00"	00NF03NE1040
1242	Kitts Pond	5315940	N54°54'36"	W59°34'00"	
1244	Kogluktokoluk Brook	5320260	N56°18'00"	W62°06'00"	00NF03NE1042
1245	Komaktorvik Lake	5328500	N59°09'00"	W64°14'00"	01NF03NA1013
1246	Konrad Brook	5320140	N56°13'00"	W61°55'00"	00NF03NE1043
1243	Koraluk River	5320060	N56°13'00"	W61°43'00"	00NF03NE1041
1247	Lac a L'eau Claire	5210530	N52°40'00"	W65°55'00"	01NF030C1086
1248	Lac Joseph	5210530	N52°44'00"	W65°26'00"	01NF030C1087
1249	Lake Michael	5214280	N54°36'00"	W58°27'00"	
1250	Lanse-au-Diable Brook	5000280	N51°34'00"	W56°45'00"	00NF02XD1007
1251	Lanse-au-Loup River	5000220	N51°32'00"	W56°50'00"	00NF02XD1008
1252	Lanse-au-Loup River	5000220	N51°31'12"	W56°49'00"	
1253	Lelia Wynne River	5210530	N53°04'00"	W66°45'00"	00NF030A1065
1254	Little Macatina River		N52°13'40"	W61°19'20"	00NF02XA0001
1255	Little Minipi River	5210530	N52°21'00"	W60°38'00"	00NF030E1115
1256	Lobstick Lake	5210530	N54°02'00"	W65°01'00"	
1258	Lobstick Lake (16 km downriver)	5210530	N53°50'00"	W64°55'00"	00NF030B1076
1257	Lobstick Lake (boat launch)	5210530	N53°52'00"	W65°01'00"	00NF030B1075
1261	Lower Brook	5210530	N53°17'30"	W60°54'06"	
1260	Lower Brook	5210530	N53°15'45"	W60°52'18"	
1259	Lower Brook	5210530	N53°15'00"	W60°52'00"	00NF030E1116
1262	Luncheon Lake	5315940	N54°57'06"	W59°34'12"	
1263	Makkovik Bay Brook	5315520	N55°04'00"	W59°10'00"	00NF03NG1055
1264	Makkovik River	5315640	N54°58'00"	W59°25'00"	00NF03NG1056
1265	Makkovik Water Supply	5315520	N58°06'00"	W59°10'30"	
1266	Mare Bight Pond	5315850	N55°00'06"	W59°24'12"	
1267	Martin Pond		N53°27'30"	W55°44'00"	01NF03QC3000

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Table 2. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
1268	Mary's Brook	5000220	N51°31'18"	W56°49'00"	00NF02XD3001
1269	McKenzie River	5210530	N53°14'00"	W60°44'00"	00NF030E1117
1270	Menihek Lake	5210530	N54°21'00"	W66°16'00"	01NF030B1077
1271	Metchin River	5210530	N53°19'00"	W63°12'00"	00NF030D1099
1274	Metchin River Tributary	5210530	N53°22'00"	W63°08'00"	
1272	Metchin River (Station 1)	5210530	N53°19'10"	W63°21'54"	
1273	Metchin River (Station 2)	5210530	N53°27'12"	W63°12'18"	
1275	Michelin Lake		N54°34'48"	W59°57'00"	
1276	Michikamats Lake	5210530	N54°14'00"	W64°07'00"	01NF03PA1129
1277	Michikamau Lake	5210530	N53°52'00"	W63°37'00"	01NF03PA1130
1282	Mills Lake River	5210530	N52°51'00"	W66°55'00"	01NF030A1067
1283	Minipi Lake	5210530	N52°18'00"	W60°51'00"	01NF030E1118
1296	Minipi Lake	5210530	N52°30'00"	W60°48'00"	01NF030E1120
1284	Minipi River	5210530	N52°52'00"	W61°37'00"	00NF030E1119
1292	Minipi River Tributary (1)	5210530	N52°45'54"	W61°25'48"	
1293	Minipi River Tributary (2)	5210530	N52°37'30"	W61°11'24"	
1294	Minipi River Tributary (3)	5210530	N52°27'45"	W61°45'00"	
1295	Minipi River Tributary (4)	5210530	N52°32'15"	W61°11'06"	
1285	Minipi River - Station 1	5210530	N52°49'24"	W61°37'18"	
1286	Minipi River - Station 2	5210530	N52°48'40"	W61°37'12"	
1287	Minipi River - Station 3	5210530	N52°47'30"	W61°36'06"	
1288	Minipi River - Station 4	5210530	N52°46'15"	W61°34'30"	
1289	Minipi River - Station 5	5210530	N52°44'12"	W61°26'54"	
1290	Minipi River - Station 6	5210530	N52°43'42"	W61°26'06"	
1291	Minipi River - Station 7	5210530	N52°42'30"	W61°25'36"	
1297	Mistastin Lake	5320060	N55°54'00"	W63°16'00"	01NF03NE1044
1298	Mistinipi Lake	5317900	N54°47'00"	W61°19'00"	01NF03NF1051
1299	Mud Lake	5210530	N53°08'00"	W60°11'00"	01NF030E1121
1300	Mud Lake	5210530	N57°17'00"	W60°07'30"	
1301	Muskrat Lake	5210530	N53°04'00"	W60°46'00"	01NF030E1122
1302	Muskrat Lake	5210530	N53°16'00"	W60°18'00"	
1303	Nachvak Lake	5327800	N59°00'00"	W64°08'00"	01NF03NA1014
1304	Nachvak River	5327800	N53°01'00"	W64°03'00"	00NF03NA1015

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Table 2. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
1305	Nakvak Brook	5326260	N58°31'00"	W63°19'00"	00NF03NB1022
1307	Naskaupi River	5211047	N53°47'00"	W60°51'00"	00NF03PB1137
1306	Naskaupi River (at Fremont Lake)	5211047	N54°07'00"	W63°13'30"	00NF03PB0001
1308	Nellie Lake		N54°36'00"	W59°57'00"	
1309	Nipishish Lake	5211048	N54°05'00"	W60°45'00"	01NF03PB1138
1310	Nipishish Lake	5211048	N54°07'30"	W60°47'00"	
1311	No Name Lake (01)	5211280	N53°44'00"	W60°07'30"	
1312	No Name Lake (02)	5211220	N53°43'00"	W60°13'00"	
1313	No Name Lake (03)	5315040	N54°25'00"	W60°18'00"	
1314	No Name Lake (04)	5211048	N54°15'00"	W60°26'00"	
1315	No Name Lake (05)	5209000	N53°47'00"	W58°24'00"	
1316	No Name Lake (06)	5209000	N53°45'00"	W58°33'00"	
1317	No Name Lake (07)	5209000	N53°43'00"	W58°47'30"	
1318	No Name Lake (08)		N53°38'00"	W58°46'00"	
1319	No Name Lake (09)	5210020	N53°18'00"	W59°28'00"	
1320	No Name Lake (10)	5210100	N53°06'00"	W59°56'00"	
1321	No Name Lake (11)	5211800	N53°52'00"	W59°36'00"	
1322	No Name Lake (12)	5212860	N53°57'00"	W59°48'00"	
1323	No Name Lake (13)	5314840	N54°41'00"	W58°27'30"	
1324	No Name Lake (14)	5213520	N54°16'00"	W59°02'30"	
1325	No Name Lake (15)	5315040	N54°30'00"	W59°05'00"	
1326	No Name Lake (16)	5315040	N54°32'00"	W59°50'00"	
1327	No Name Lake (17)	5212980	N54°05'00"	W59°20'00"	
1328	No Name Lake (18)	5212880	N54°15'00"	W59°30'00"	
1329	No Name River (01) (Tributary to Churchill River)	5210530	N53°09'36"	W60°56'48"	
1330	No Name River (02) (Tributary to Churchill River)	5210530	N53°07'30"	W61°08'45"	
1331	No Name River (03) (Tributary to Churchill River)	5210530	N52°59'36"	W61°37'30"	
1332	No Name River (04) (Tributary to Churchill River)	5210530	N52°57'54"	W61°17'00"	
1333	No Name River (05) (Tributary to Churchill River)	5210530	N52°54'00"	W61°47'12"	
1334	No Name River (06) (Tributary to Churchill River)	5210530	N52°54'18"	W61°47'00"	
1335	No Name River (07) (Tributary to Churchill River)	5210530	N52°54'15"	W62°09'00"	
1336	No Name River (08) (Tributary to Churchill River)	5210530	N52°54'00"	W62°12'00"	
1337	North Arm River	5326200	N58°33'00"	W63°28'00"	00NF03NB1023

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Table 2. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
1339	North River	5322780	N58°29'00"	W62°32'00"	00NF03NB1024
1338	Northern Brook	5000340	N51°36'00"	W56°42'00"	
1340	Northwest River	5211041	N53°32'00"	W60°09'00"	00NF03PB0002
1341	Northwest River Water Supply	5211041	N53°31'18"	W60°11'00"	00NF03PB3000
1342	Notakwanon River	5319740	N56°01'00"	W61°21'00"	00NF03NE1045
1343	Old Man's Lake	5210530	N53°30'00"	W63°50'00"	01NF030D1100
1344	Orma Lake	5210530	N54°15'00"	W63°15'00"	01NF03NG0001
1345	Orma Lake	5210530	N53°55'00"	W62°58'00"	01NF03PB1140
1346	Ossokmanuan Lake	5210530	N53°15'00"	W64°34'00"	01NF030C1089
1347	Pamiulik River	5314880	N54°44'00"	W58°34'00"	00NF03PC1145
1348	Paradise River	5206600	N53°25'00"	W57°17'00"	00NF03QC1154
1349	Paradise River	5206600	N53°26'00"	W57°16'00"	00NF03QC3001
1350	Parke Lake	5206820	N52°55'00"	W59°03'00"	01NF03QC1155
1351	Pearl Lake	5210530	N53°54'00"	W66°00'00"	01NF030C1090
1354	Pinus River	5210530	N53°01'45"	W61°15'36"	
1353	Pinus River	5210530	N53°01'00"	W61°16'00"	00NF030E1123
1355	Pinware River	5000360	N51°40'00"	W56°43'00"	00NF02XD1009
1356	Pottles Bay Brook	5213900	N54°30'00"	W57°35'00"	00NF03PC1146
1357	Red Bay River	5000540	N51°47'00"	W56°27'00"	
1358	Richi Lake	5210530	N52°58'00"	W66°03'00"	01NF030A1068
1359	Rigolet Brook	5212500	N54°11'00"	W58°26'00"	00NF03PC3000
1361	Riviere aux Poissons	5210530	N53°06'00"	W65°26'00"	00NF030C1091
1362	Riviere Joir		N52°09'50"	W60°03'35"	00NF02XA0002
1363	Running Rabbit Lake		N54°36'12"	W59°57'00"	
1365	Saglek Lake	5326260	N58°49'00"	W63°21'00"	01NF03NB1026
1364	Saglek (Nakvac Brook)	5326260	N58°38'00"	W63°46'00"	00NF03NB1025
1366	Sail Lake	5210530	N54°12'00"	W63°06'00"	01NF03NG1057
1369	Sandhill River	5205820	N53°35'00"	W56°21'00"	00NF03QC1157
1370	Sango Brook	5319660	N55°53'00"	W61°11'00"	00NF03NE1046
1371	Seal Lake	5211048	N54°19'00"	W61°46'00"	01NF03PB1141
1372	Shallow Lake	5322780	N57°39'00"	W63°16'00"	01NF03NC1029
1373	Shoal River	5210530	N53°07'00"	W62°23'00"	00NF030E1124
1374	Shoal River	5210530	N53°06'30"	W62°22'24"	

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Table 2. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
1375	Sims River	5210530	N53°41'00"	W65°18'00"	0QNF03QC1092
1376	Snegamook Lake	5317330	N54°32'00"	W61°27'00"	01NF03NG1058
1377	South Ashuanapi Lake	5210530	N53°33'00"	W66°08'00"	01NF03QA1069
1378	Southern Backwater	5103000	N52°58'00"	W56°06'00"	0QNF03QC1158
1379	Southern Brook		N51°36'00"	W56°42'00"	
1380	Southwest Arm River	5326140	N58°28'00"	W63°34'00"	0QNF03NB1027
1381	Southwest Brook	5206860	N53°25'00"	W57°15'00"	0QNF03QC1159
1383	Squaw Lake (Petitsikapau Lake)	5210530	N54°40'00"	W66°23'00"	01NF03QB0003
1382	Stag Bay Brook	5314940	N54°47'00"	W59°47'00"	0QNF03NG1059
1367	St. Marys River	5101520	N52°18'00"	W55°51'00"	0QNF03QC3000
1368	St. Michaels River	5214280	N54°41'00"	W57°47'00"	0QNF03PC1144
1486	St. Paul's River		N52°10'00"	W58°26'00"	0QNF02XC1004
1352	St. Peters River	5001080	N52°06'00"	W55°48'00"	0QNF03QC1156
1384	Tamarack River	5210530	N53°48'00"	W66°18'00"	0QNF03QA1070
1385	Taslaluk Lake	5322280	N56°45'00"	W62°45'00"	01NF03ND1035
1386	Tasluyak Lake	5322280	N57°05'00"	W62°03'00"	01NF03NC1030
1387	Ten Mile Lake	5210530	N53°35'00"	W64°52'00"	01NF03QD1101
1388	Tom Luscombe Brook	5213520	N54°21'00"	W58°12'00"	0QNF03PC1148
1389	Traverspine River	5210530	N53°06'12"	W60°25'30"	
1391	Trout River	5000363	N51°45'00"	W56°31'00"	0QNF02XD1010
1390	Trout River (Mary's Harbour)	5101520	N52°18'00"	W55°51'00"	
1392	Ugjuktak River	5326040	N58°17'00"	W63°35'00"	0QNF03NB1028
1393	Umiakovik Lake	5327800	N57°24'00"	W62°50'00"	01NF03NC1031
1398	Unknown Lake 01		N51°27'00"	W57°12'00"	
1399	Unknown Lake 02		N51°35'00"	W56°45'00"	
1400	Unknown Lake 03		N51°30'00"	W57°14'00"	
1401	Unknown Lake 04	5102500	N52°25'00"	W56°40'00"	
1402	Unknown Lake 05	5102480	N52°27'00"	W56°32'00"	
1403	Unknown Lake 06	5102440	N52°33'00"	W56°17'00"	
1404	Unknown Lake 07	5102620	N52°36'00"	W56°11'00"	
1405	Unknown Lake 08	5102820	N52°44'00"	W56°23'00"	
1406	Unknown Lake 09	5102500	N52°36'00"	W56°40'00"	
1407	Unknown Lake 10	5104500	N52°52'00"	W56°52'00"	

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Table 2. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
1408	Unknown Lake 11	5102500	N52°24'00"	W57°07'00"	
1409	Unknown Lake 12	5102500	N52°30'00"	W57°22'00"	
1410	Unknown Lake 13	5101720	N52°12'00"	W57°26'00"	
1411	Unknown Lake 14		N52°22'00"	W57°43'00"	
1412	Unknown Lake 15	5206600	N52°35'00"	W57°59'00"	
1413	Unknown Lake 16		N52°05'00"	W57°50'00"	
1414	Unknown Lake 17		N52°05'00"	W57°52'00"	
1415	Unknown Lake 18		N52°16'00"	W58°03'00"	
1416	Unknown Lake 19		N52°08'00"	W57°27'00"	
1428	Unknown Lake 20		N52°12'00"	W57°33'00"	
1487	Unknown Lake 21	5210760	N53°27'00"	W60°54'00"	
1429	Unknown Lake 22	5211043	N53°37'00"	W60°45'00"	
1430	Unknown Lake 23	5211043	N53°38'00"	W60°41'00"	
1431	Unknown Lake 24	5211041	N53°36'00"	W60°37'00"	
1432	Unknown Lake 25	5211500	N53°47'00"	W60°19'00"	
1433	Unknown Lake 26	5211220	N53°43'00"	W60°14'00"	
1434	Unknown Lake 27	5211280	N53°43'00"	W60°09'00"	
1435	Unknown Lake 28	5311047	N54°18'00"	W61°08'00"	
1436	Unknown Lake 29	5311047	N54°22'00"	W61°09'00"	
1417	Unknown Lake 30	5316080	N54°25'00"	W61°15'00"	
1418	Unknown Lake 31	5316080	N54°27'00"	W61°17'00"	
1419	Unknown Lake 32	5316080	N54°28'00"	W61°12'00"	
1420	Unknown Lake 33	5317330	N54°34'00"	W61°17'00"	
1421	Unknown Lake 34	5316080	N54°18'00"	W60°53'00"	
1422	Unknown Lake 35		N55°06'00"	W62°44'00"	
1423	Unknown Lake 36	5317900	N55°12'00"	W62°44'00"	
1424	Unknown Lake 37	5317900	N55°14'00"	W62°39'00"	
1425	Unknown Lake 38	5317900	N55°13'00"	W62°15'00"	
1426	Unknown Lake 39	5317900	N55°06'00"	W62°12'00"	
1427	Unknown Lake 40	5317330	N54°53'00"	W62°27'00"	
1437	Unknown Lake 41	5317330	N54°48'00"	W62°21'00"	
1438	Unknown Lake 42	5317330	N54°49'00"	W62°23'00"	
1439	Unknown Lake 43	5321420	N57°08'00"	W63°05'00"	

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Table 2. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
1440	Unknown Lake 44	5321420	N57°10'00"	W63°10'00"	
1441	Unknown Lake 45	5321420	N57°17'00"	W63°08'00"	
1442	Unknown Lake 46	5322700	N57°20'00"	W62°48'00"	
1443	Unknown Lake 47	5321420	N57°16'00"	W62°52'00"	
1444	Unknown Lake 48	5322700	N57°15'00"	W62°46'00"	
1445	Unknown Lake 49	5321160	N56°42'00"	W64°09'00"	
1446	Unknown Lake 50		N56°39'00"	W64°32'00"	
1447	Unknown Lake 51		N56°39'00"	W64°30'00"	
1448	Unknown Lake 52		N56°35'00"	W64°30'00"	
1449	Unknown Lake 53		N56°22'00"	W64°15'00"	
1450	Unknown Lake 54		N56°17'00"	W63°57'00"	
1451	Unknown Lake 55		N56°18'00"	W64°11'00"	
1452	Unknown Lake 56		N56°10'00"	W64°25'00"	
1453	Unknown Lake 57	5317330	N55°02'00"	W62°39'00"	
1454	Unknown Lake 58	5317330	N54°52'00"	W62°44'00"	
1455	Unknown Lake 59	5317330	N54°54'00"	W62°43'00"	
1456	Unknown Lake 60	5317330	N54°46'00"	W63°02'00"	
1457	Unknown Lake 61	5317330	N54°52'00"	W63°15'00"	
1458	Unknown Lake 62	5317330	N54°56'00"	W63°07'00"	
1459	Unknown Lake 63	5317330	N55°06'00"	W63°07'00"	
1460	Unknown Lake 64	5317330	N54°53'00"	W63°02'00"	
1461	Unknown Lake 65	5317900	N55°08'00"	W63°12'00"	
1462	Unknown Lake 66		N55°24'00"	W63°23'00"	
1394	Unknown Lake 67		N56°38'00"	W63°53'00"	
1395	Unknown Lake 68		N57°20'00"	W62°55'00"	
1397	Unknown Lake 69	5317900	N55°27'00"	W62°02'00"	
1396	Unknown Lake 70	5322980	N57°37'00"	W62°40'00"	
1464	Unnamed Brook (Capstan Island)		N5 °33'00"	W56°44'00"	
1465	Unnamed Brook (Lanse au Loup)	5000220	N51°31'18"	W56°49'00"	
1466	Unnamed Brook (northside Churchill R at Horseshoe Rapids)	5210530	N53°00'00"	W60°37'00"	00NF030E1126
1467	Unnamed Brook (northside Churchill R. at Hatchin River)	5210530	N53°20'00"	W63°25'00"	00NF030D1102
1463	Unnamed Brook (Red Bay)	5000540	N51°47'00"	W56°26'12"	
1468	Unnamed Brook (southside Churchill R. below Gull Lake)	5210530	N52°59'00"	W61°17'00"	00NF030E1125

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Table 2. (Cont'd.)

Identifier	Station name	River code	Latitude	Longitude	NAQUADAT No.
1051	Unnamed Lake (Cape Chidley)		N60°21'00"	W64°31'00"	01NF03NA1011
1469	Unnamed River at Twin Falls	5210530	N53°30'00"	W64°32'00"	00NF03000001
1360	Unnamed River (South of Big River)	5315020	N54°43'00"	W59°06'00"	00NF03PC1147
1470	Upper Brook	5210530	N53°10'00"	W60°56'00"	00NF030E1127
1471	Upper Caribou River	5211280	N53°44'00"	W60°07'30"	
1472	Valley River	5210530	N53°26'00"	W64°22'00"	00NF03001103
1473	Wabush (Municipal Water Supply)		N52°32'00"	W66°30'00"	01NF030A3000
1474	Waldorf River	5210530	N52°50'00"	W66°55'00"	00NF030A1071
1475	Walsh River	5210530	N52°56'00"	W67°00'00"	00NF030A1072
1476	Webb Bay Tributary	5321660	N56°49'00"	W61°56'00"	00NF03N01036
1477	Western Brook (L'anse au Clair water supply)	5000020	N51°25'00"	W57°04'00"	00NF02XD3000
1478	White Bear Lake	5206880	N54°32'06"	W59°27'36"	
1479	White Bear Lake	5206880	N54°32'00"	W59°31'00"	01NF03PC1149
1480	White Bear River	5206880	N53°35'00"	W57°31'00"	00NF03QC1161
1482	Wilson Lake	5210530	N53°09'00"	W62°45'00"	01NF030011QA
1481	Wilson Lake	5210530	N53°09'00"	W62°45'00"	01NF03000001
1483	Winokapau Lake	5210530	N53°00'00"	W62°22'00"	01NF030E1128
1484	Witch Doctor Lake	5210530	N54°38'06"	W59°56'48"	

APPENDIX 3: DATA LISTING

Preface

All data presently entered into DFO's Water Quality Data File (to 1980) are included in this appendix. Stations have been listed sequentially using the "identifier" employed in the station listing (Appendix 2). Sampling date is included and identifies separate samples for each station. Stations with two or more samples have mean data for all samples included at the end of the listing of single sample data.

Key

IDEN	Identifier - see Appendix 2
SUBM AGEN	Sumbitting Agency - see Appendix 1
GEOG REG	Geographical Region - see Coding Specifications Appendix 8
WAT TYPE	Water Type - see Coding Specifications - Appendix 8
SAMPE NO	Sample Number
DATE	Date - Year/Month/Day
DEP	Depth
PH	pH
ALK	Alkalinity - mg ℓ^{-1} $CaCO_3$
COND	Conductivity - $\mu S\ cm^{-1}$
HARD	Hardness - mg ℓ^{-1} $CaCO_3$
CA	Calcium - mg ℓ^{-1}
MG	Magnesium - mg ℓ^{-1}
NA	Sodium - mg ℓ^{-1}
K	Potassium - mg ℓ^{-1}
CL	Chloride - mg ℓ^{-1}
SO4	Sulphate - mg ℓ^{-1}
HCO3	Bicarbonate - mg ℓ^{-1}
COL	Colour - True colour units (TCU)

Table 1. Data Listing - Insular Newfoundland.

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
1	7	3	1	1	730701	0	6.70	4.00	42.00	1.00	2.20				7.50			
2	7	3	1	1	730701	0	6.35	3.00	22.00	0.40	0.90				4.00		3.66	
3	16	2	1	1	770606	0	7.99	50.60		12.29	35.80	8.09						
4	7	4	1	1	730501	0	6.30	3.00	37.00	0.80	1.30				8.50		3.70	
5	7	4	1	1	730701	0	6.24	1.00	23.00	0.50	0.80				8.50		1.20	
6	7	4	1	1	730701	0	6.60	4.00	32.00	0.50	0.80				6.50		4.88	
7	7	4	1	1	720901	0	5.70	1.00	29.00	0.70	0.90				66.00			
8	7	4	2	1	750513	0	6.60	4.00	39.70	0.60	0.80				9.00	5.14		
				2	750529	0	6.30	2.00	49.50	0.80	0.60				4.00	4.11		
				3	750611	0	6.40	2.00	50.70	0.80	0.60				6.00	4.80		
				4	750630	0	6.70	3.00	45.30	0.80	0.60				9.00	4.30		
				5	750714	0	6.60	3.00	46.10	0.80	1.00				9.00	5.30		
				6	750729	0	6.50	3.00	45.90	0.90	1.40				10.00	5.80		
				7	750813	0	6.40	3.00	54.50	1.20	1.10				8.00	4.30		
				8	750830	0	6.20	2.00	58.00	1.00	0.50				12.00	4.30		
				9	750915	0	6.50	2.00	44.00	0.90	0.80				10.00	4.81		
				10	750930	0	6.30	2.00	45.10	0.80	1.00				10.00	11.80		
				11	751015	0	6.60	3.00	42.80	0.80	0.90				8.00	2.61		
				12	751030	0	6.50	3.00	36.50	0.70	1.20				8.50	4.70		
				13	751112	0	6.30	2.00	45.50	0.80	0.90				9.50	2.93		
				14	751127	0	6.10	1.00	52.80	0.90	0.60				12.00	0.73		
				15	751216	0	6.50	3.00	49.50	0.90	1.10				5.50	0.53		
				16	751230	0	6.30	4.00	37.40	0.60	0.90				8.50	0.53		
				17	760114	0	6.40	2.00	45.24	1.00	0.60				10.50	0.51		
				18	760216	0	6.20	1.00	45.24	0.80	0.70				10.50	0.43		
				19	760315	0	6.00	2.00	42.12	0.80	1.20				10.00	0.43		
				20	760421	0	6.20	2.00	78.40	1.00	1.30				22.50	3.00		
				21	760525	0	6.10	2.00	52.96	0.60	1.00				12.50	3.60		
				22	750616	0	6.10	4.00	54.06	0.80	2.00				12.50	3.60		
				23	750720	0	6.00	4.00	56.16	0.60	1.00				12.50	5.19		
						0	6.34	2.57	48.59	0.82	0.95				10.00	3.63		
9	7	2	1	1	730701	0	6.70	6.00	34.00	1.20	3.50				4.00		7.32	
10	7	1	1	1	720501	0	6.82	7.00	32.00	1.20	2.80				5.50		8.50	
11	10	1	1	1	7207	0	6.79		31.30									15
12	10	1	2	1	730715	0	6.40	2.00	23.00	0.50	1.10	0.60	2.20	0.20	3.60	2.00	2.40	20
				2	730715	80	6.22		26.00		1.10	0.60	2.20	0.20	4.00	2.00	1.80	18

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEPT	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
12	10	1	2	3	730715	110	6.70	2.50	26.00	0.55	1.20	0.60	2.30	0.20	3.90	2.00	3.00	10
						63	6.44	2.25	25.00	0.52	1.13	0.60	2.23	0.20	3.83	2.00	2.40	16
13	13	2	2	1	800428	0	5.48		19.99	0.43	1.26	0.29						
14	16	4	2	1	790928	0	6.25	1.80	36.96	0.63	1.60	0.55						
15	7	4	1	1	730701	0	7.30	6.00	31.00	0.60	1.50				5.50		7.32	
16	7	6	1	1	721001	0	5.90	5.00	47.00	1.40	2.50				4.00		6.10	
17	7	5	1	1	721001	0	6.40	4.00	31.00	1.20	1.60				6.50		4.90	
18	10	1	1	1	7207	0	7.83		253.00									5
19	16	3	2	1	740310	0	4.92			0.46	0.68	0.52						100
				2	800530	0	5.32	1.00	11.43	0.36	0.51	0.40						60
						0	5.12	1.00	11.43	0.41	0.59	0.46						80
20	7	2	1	1	720901	0	7.16	10.00	29.00	1.20	1.80				3.00			
				2	721001	0	6.81	7.30	24.00	1.00	1.50				2.80			
						0	6.98	8.65	26.50	1.10	1.65				2.90			
21	10	3	2	1	660822	0	6.50	3.00	50.40	0.85	1.80	1.00	5.90	0.40	9.60	3.30		
				2	800715	0	6.60	6.30	34.00		2.00	0.65	3.70	0.10	4.80	2.70		80
						0	6.55	4.65	42.20	0.85	1.90	0.82	4.80	0.25	7.20	3.00		80
22	10	1	1	1	7207	0	8.36		312.00									5
23	7	1	1	1	800530	0	7.30	26.00	92.00	4.00	9.10				10.00			
				2	800926	0	7.65	43.00	120.00	7.20	14.30				13.50			
						0	7.47	34.50	106.00	5.60	11.70				11.75			
24	7	5	1	1	730501	0	5.45	1.00	46.00	1.00	1.00				12.00			
25	7	4	2	1	730301	0	5.90	1.00	31.00	0.40	0.50				9.00			
26	40	4	2	1	7308	0	5.74	1.07	35.60	0.43	0.80	0.56	4.40		4.80	2.10		19
27	7	5	1	1	730501	0	5.50	1.00	21.00	0.50	1.00				9.00			
28	7	5	1	1	751001	0	6.10	2.80	19.00	0.45						0.20		
29	7	5	1	1	751001	0	5.70	1.00	17.00	0.39						0.70		
30	7	5	1	1	750930	0	5.40	0.20	22.00	0.63						0.50		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	MAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
31	6	5	1	1	720211	0	5.80	2.50	21.50		1.50	0.40	1.90		3.70	2.60		
				2	720322	0	5.80	2.80	22.30		1.15	0.45	2.50		4.20	2.50		
				3	720416	0	5.60	2.00	20.00		1.10	0.40	1.80		3.60	1.30		
				4	700518	0	5.70	2.20	17.70		0.80	0.33	2.00		2.80	1.90		
				5	720618	0	5.90	2.80	21.40		0.90	0.40	1.80		2.70	2.10		
				6	730630	0	5.90	2.30	18.70		1.00	0.30	1.70		2.80	2.00		
				7	730819	0	6.00	2.10	18.30		1.00	0.40	1.40		2.30	2.00		
				8	731015	0	5.40	3.20	22.20		1.10	0.40	1.80		2.70	3.00		
				9	731130	0	5.20	1.40	18.60		1.10	0.40	1.60		3.20	5.00		
				10	731215	0	5.30	2.60	18.80		1.10	0.50	1.70		2.80	5.00		
				11	740212	0	5.40	2.90	19.60		1.20	0.50	1.90		3.10	2.00		
				12	740517	0	5.90	1.00	15.60		0.80	0.30	1.40		2.40	4.00		
				13	740711	0	6.20	2.00	18.00		1.20	0.40	1.80		2.90	3.00		
				14	750514	0	6.90	2.60	18.50		0.90	0.32	1.50		2.80	2.00		
				15	750716	0	5.50	0.50	28.40		1.00		1.68		2.60	10.00		
				16	760129	0	5.80	0.60	20.20		0.80	0.40	1.90		3.50	1.60		
				17	760319	0	5.20	1.10	30.20		1.20	0.70	3.10		5.40	4.00		
				18	760603	0	5.60	2.80	22.00		0.90	0.45	2.40		4.50	1.80		
				19	760817	0	5.50	0.90	30.00		1.10	0.40	2.70		4.60	2.40		
				20	761027	0	5.70	2.60	32.00		1.30	0.55	3.30		6.70	2.20		
				21	770518	0	6.00	1.30	32.00		1.20	0.50	3.60		6.80	2.20		
				22	780718	0	5.80	0.80	22.00		1.00	0.40	2.10		3.50	2.20		
				23	780920	0	6.10	1.10	23.00		1.10	0.37	2.30		3.25	3.10		
				24	781101	0	6.50	1.40	26.00		0.90	0.36	2.70		3.80	3.00		
				25	790212	0	6.20	1.10	32.00		1.10	0.37	3.50		5.80	2.30		
						0	5.80	1.86	22.76		1.06	0.42	2.16		3.70	2.93		
32	38	1	2	1	790718	0	8.30	35.80	82.97	3.33	10.66	1.62						25
				2	790718	0	7.85	33.80	82.34	3.47	11.26	1.60						15
						0	8.07	34.80	82.65	3.40	10.96	1.61						20
33	13	2	2	1	800724	0	8.15	31.80		2.71	6.90	1.90	4.70		15.00	5.30		
34	7	6	1	1	721001	0	6.55	10.00	50.00	1.80	3.00				8.50		12.00	
35	6	2	1	1	720115	0	7.40	36.10	89.50		12.00	2.30	2.75		1.61	4.20		
				2	720201	0	7.50	30.80	78.00		10.00	2.30	2.40		0.55	3.40		
				3	720302	0	7.40	37.70	98.00		13.50	3.00	3.10		1.58	4.20		
				4	720401	0	6.90	27.50	90.30		9.50	2.30	3.20		1.74	5.90		
				5	720501	0	7.50	54.90	118.00		18.00	3.70	3.10		19.90	4.50		
				6	720615	0	7.00	23.60	61.00		7.70	1.50	1.70		37.20	2.30		
				7	720702	0	7.30	25.50	62.40		8.30	1.70	2.10		7.39	2.70		
				8	720801	0	7.60	41.40	102.00		13.00	2.50	2.20		4.52	3.30		
				9	720916	0	7.40	24.50	86.80		12.70	2.30	2.20		4.41	3.80		
				10	721014	0	7.00	30.90	178.00		10.90	4.00	19.00		6.78	8.70		
				11	721115	0	7.20	33.70	85.80		11.60	2.60	2.50		4.50	3.20		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEPI	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
35	6	2	1	12	721216	0	6.80	27.20	79.00		9.60	2.20	3.00		3.81	3.70		
				13	730115	0	6.60	36.20	98.20		11.80	2.80	3.20		0.64	5.50		
				14	730201	0	7.00	37.80	104.00		12.30	2.90	3.70		0.79	4.70		
				15	730315	0	7.10	30.60	89.70		10.00	2.60			1.33	7.00		
				16	730414	0	7.30	44.80	121.00		14.50	3.30	3.70		1.69	5.90		
				17	730501	0	7.80	43.30	120.00		15.00	3.20	3.10		38.70	3.00		
				18	730602	0	6.90	18.90	50.30		6.30	1.30	1.80		19.60	2.00		
				19	730702	0	7.30	25.30	69.00		8.90	1.70	2.20		4.82	5.00		
				20	730801	0	7.40	26.80	72.00		9.00	1.85	2.20		5.45	2.00		
				21	730901	0	7.80	36.50	164.00		11.90	3.70	14.00		1.51	9.00		
				22	731001	0	7.20	33.90	92.20		11.90	2.50	3.00		7.82	5.00		
				23	731105	0	7.80	41.40	104.00		14.50	2.90	2.70		4.46	6.00		
				24	731231	0	7.10	31.80	78.00		10.10	2.20	2.90		5.00	2.00		
				25	740131	0	7.50	37.90	95.10		12.00	2.80	3.20		5.30	2.00		
				26	740228	0	7.60	33.30	91.30		12.10	2.40	3.50		5.50	3.00		
				27	740401	0	7.00	27.00	84.70		10.70	2.40	3.40		5.60	5.00		
				28	740615	0	7.10	15.90	48.90		5.90	1.50	3.00		5.60	5.00		
				29	740715	0	7.50	30.00	83.00		11.00	2.30	2.90		4.80	5.00		
				30	740902	0	7.20	32.60	106.00		11.00	2.90	6.30		11.00	7.00		
				31	741001	0	7.40	29.00	72.30		10.00	2.10	2.70		4.80	4.00		
				32	741102	0	7.70	37.00	87.00		12.00	2.70	2.90		5.50	8.00		
				33	750115	0	7.20	33.50	88.70		9.40	2.50	3.60		6.30	4.00		
				34	750215	0	7.50	27.80	83.90		10.00	2.30	2.90		4.70	6.00		
				35	750315	0	7.40	34.30	103.00		10.00	3.00	2.90		6.00	3.00		
				36	750401	0	7.10	41.30	116.00		10.00	3.30	3.80		5.80	2.00		
				37	750501	0	7.30	45.10	118.00		13.00	3.00	2.50		4.90	4.00		
				38	750602	0	6.80	15.60	45.80		5.30	1.00	1.70		3.00	4.00		
				39	750715	0	7.30	38.70	91.30		13.00	2.60	2.30		3.40	4.00		
				40	750816	0	7.20	52.40	118.00		16.80	3.90	3.50		4.80	2.00		
				41	751001	0	7.40	3.20	94.20		11.50	2.00	3.30		4.10	17.00		
				42	751018	0	7.50	23.00	64.90		10.00	1.90	2.90		4.90	5.00		
				43	760101	0	7.00	29.10	80.80		11.50	2.40	3.00		5.10	12.00		
				44	760204	0	7.40	24.00	73.20		9.20	2.40	3.20		5.50	10.00		
				45	760301	0	7.20	35.80	97.60		12.00	2.90	3.50		6.00	4.20		
				46	760403	0	6.90	28.00	84.30		9.80	2.00	3.60		7.90	2.00		
				47	760501	0	7.40	41.20	98.70		13.00	3.00	3.40		7.00	3.80		
				48	760612	0	6.50	21.30	75.00		8.00	1.80	4.70		8.20	2.50		
				49	760807	0	7.50	54.20	127.00		1.80	4.00	2.90		4.30	4.30		
				50	760901	0	7.20	46.80	122.00		1.57	3.40	3.40		5.60	4.00		
				51	761001	0	7.80	41.60	116.00		14.50	3.00	3.50		5.70	3.60		
				52	761211	0	6.50	16.70	94.00		10.50	2.50	3.70		7.30	16.50		
				53	760205	0	7.60	35.90	104.00		12.50	3.00	10.20		7.20	4.40		
				54	770301	0	7.80	41.30	143.00		13.50	3.10	3.10		15.00	4.50		
				55	770405	0	7.60	52.00	122.00		18.00	3.50	3.10		6.90	4.00		
				56	770503	0	7.40	32.40	104.00		15.20	2.70	1.90		6.10	3.60		
				57	770602	0	5.80	17.00	51.00		6.00	1.20	1.90		3.00	2.50		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEPT	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
35	6	2	1	58	770719	0	7.70	23.10	59.80		7.50	1.70	1.90		3.00	2.30		
				59	770831	0	7.70	41.90	94.00		14.00	3.10	2.20		5.00	3.20		
				60	771008	0	7.40	29.40	73.00		11.00	1.90	2.00		3.50	3.00		
				61	771105	0	7.50	28.30	70.00		9.50	2.00	2.00		3.30	3.70		
				62	771222	0	7.70	32.40	81.00							3.20		
				63	780121	0	7.30	25.00	73.60		8.00	1.90	2.70		3.30			
				64	780204	0	7.60	28.60	79.00		10.00	2.00	2.70		5.20	3.40		
				65	780301	0	7.80	35.20	94.30		13.00	2.80	2.80		53.00	4.00		
				66	780504	0	7.50	40.00	102.00		14.00	2.70	2.70		6.00			
				67	780601	0	7.50	174.00	52.00		6.60	1.30	1.90			2.00		
				68	780706	0	7.60	37.00	85.00		12.00	2.50	3.00			3.00		
				69	780801	0	7.80	34.00	80.00		12.00	2.20	2.00		2.20	3.00		
				70	780916	0	7.70	24.00	63.00		8.50	0.85	2.00		3.80	3.60		
				71	781202	0	7.30	25.00	72.00		10.00	1.50	2.50		4.30	3.50		
				72	790106	0	7.80	26.80	76.00		10.00	2.50	2.70		4.40	3.80		
				73	790210	0	7.90	32.00	83.00		13.00	1.80	2.30		4.80	3.00		
						0	7.33	34.42	90.60		10.87	2.47	3.35		6.92	4.56		
36	7	5	1	1	730501	0	5.75	1.00	22.00	0.40	0.50				6.00			
37	7	4	1	1	730501	0	5.90	2.00	34.00	0.70	1.20				7.50		2.44	
38	7	4	2	1	760616	0	7.30	30.00	163.20	4.00	10.30				25.00			
39	4	3	2	1	8011	0	6.80	6.30	30.00		1.70	0.72	2.60	0.20	3.70	2.00		30
40	6	4	2	1	710604	0	5.80	2.70	95.50		1.10	1.90	12.50		23.00	5.10		
41	16	4	2	1	791023	0	5.49	1.80	57.53	0.68	1.13	0.84						
42	7	4	2	1	730201	0	6.05	2.00	46.00	0.80	1.20				14.50		2.44	
43	7	5	1	1	730601	0	6.35	4.00	19.00	0.70	1.50				2.50		4.88	
44	10	1	2	1	720801	0	6.90		59.00									90
				2	720821	0	7.00	6.60	61.00	1.47	3.40	1.50	5.40	0.40	9.00	6.20	8.00	100
				3	720821	4	6.90		61.00									100
						1	6.93	6.60	60.33	1.47	3.40	1.50	5.40	0.40	9.00	6.20	8.00	97
45	7	4	2	1	730701	0	5.70	3.00	30.00	0.60	0.70				9.00			
46	7	4	1	1	720901	0	6.25	6.50	44.00	1.00	1.80				8.80		8.00	
47	7	4	1	1	730701	0	6.57	4.00	35.00	0.90	1.50				6.00		4.88	
48	7	4	1	1	720601	0	6.75	5.00	41.00	0.80	1.40				9.30		6.10	

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEPT	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
49	6	3	1	2	800506	0	5.30	1.40	19.00		0.87	0.29	1.70	0.30	2.00	2.70		100
				3	800621	0	6.30	5.20	27.00		1.70	0.43	2.70	0.20	3.70	2.70		90
				4	800715	0	6.70	5.90	27.00		2.00	0.47	3.00	0.20	3.50	3.30		100
				5	801009	0	5.70	1.80	24.00		1.68	0.48	2.00	0.20	2.90	3.50		100
						0	6.00	3.57	24.25		1.56	0.42	2.35	0.22	3.02	3.05		98
49	7	3	1	1	730701	0	6.90	6.00	28.00	0.80	1.20				4.50		7.32	
50	16	3	3	1	790205	0	6.17	1.60	32.47	0.41	0.88	0.46						
51	7	1	1	1	720501	0	7.10	8.00	32.00	1.60	2.00				5.50		9.80	
52	38	4	2	1	800930	0	6.18	2.00	40.00	0.68	1.37	0.73						50
53	16	4	2	1	800924	0	7.10	7.90	30.00	1.17	2.67	1.05						55
54	7	4	2	1	750513	0	6.60	14.00	27.00	0.70	4.30				5.00	1.54		
				2	750529	0	6.70	3.00	34.30	0.80	0.90				5.50	1.03		
				3	750611	0	6.60	4.00	32.40	0.80	1.00				6.50	0.70		
				4	750630	0	6.80	4.00	39.90	0.80	1.30				6.50	2.70		
				5	750714	0	6.70	5.00	39.20	0.90	1.70				6.00	4.50		
				6	750729	0	6.70	5.00	38.10	0.90	2.00				7.50	2.50		
				7	750815	0	6.70	6.00	42.50	1.00	1.70				10.00	2.50		
				8	750830	0	6.50	6.00	42.40	1.10	1.80				7.50	2.50		
				9	750915	0	6.70	4.00	20.40	1.00	1.80				7.50	3.74		
				10	750930	0	6.80	5.00	39.60	1.00	2.00				8.00	3.21		
				11	751015	0	6.50	5.00	35.90	0.70	2.00				9.00	0.52		
				12	751030	0	6.70	4.00	35.30	0.70	1.80				7.00	1.05		
				13	751112	0	6.40	4.00	34.40	0.90	1.50				5.50	5.13		
				14	751127	0	6.40	4.00	34.10	0.90	1.30				6.00	3.67		
				15	751215	0	6.20	3.00	36.30	0.80	1.30				7.50	0.53		
				16	751230	0	5.50	1.00	35.10	0.80	1.00				8.00	0.53		
				17	760115	0	6.00	1.00	54.52	1.20	1.20				14.00	0.51		
				18	760217	0	6.00	1.00	40.60	0.70	1.30				10.50	0.43		
				19	760315	0	5.90	3.00	105.84	1.00	2.00				3.00	0.86		
				20	760421	0	6.30	1.00	28.40	0.80	2.00				15.00	1.90		
				21	760525	0	6.40	2.00	52.92	0.80	1.60				12.50	0.90		
				22	760616	0	6.20	3.00	49.98	0.60	1.80				11.50	1.35		
				23	760721	0	6.20	5.00	56.16	1.00	2.30				12.50	1.42		
						0	6.41	4.04	41.54	0.87	1.72				8.35	1.90		
55	16	2	2	1	800227	0	8.62	100.90	266.99	11.50	26.40	11.83						45
56	16	2	2	1	800211	0	8.00	150.40	454.81	15.78	54.06	5.52						30
57	13	6	2	1	800211	0	7.34	19.90	90.20	2.68	8.22	1.48						15

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
58	6	2	2	1	710907	0	6.20	4.90	30.00		1.70	0.90	2.90		4.90	1.60		
59	10	3	2	1	670817	0	6.30	3.80	29.70	0.66	2.60	0.10	2.90	0.20	4.80	2.90		
				2	800715	0	6.70	4.90	31.00		1.80	0.47	2.90	0.20	4.10	2.70		30
						0	6.50	4.35	30.35	0.66	2.20	0.28	2.90	0.20	4.45	2.80		30
60	4	5	2	1	8011	0	5.50	0.33	18.00		0.75	0.24	1.50	0.10	2.30	1.90		10
61	7	5	1	1	730501	0	6.60	5.00	32.00	0.90	2.00				8.50			
62	7	5	1	1	730501	0	6.63	6.00	35.00	1.00	2.00				9.50		6.70	
63	7	4	2	1	720101	0	6.42	3.00	31.00	0.80	1.50				6.80		3.70	
64	7	3	1	1	730701	0	7.50	10.00	37.00	1.30	3.81				4.00		12.20	
65	7	6	2	1	721010	0	6.40	6.00	18.00	0.80	0.90				2.50			
66	4	1	2	1	8011	0	5.90	1.52	25.00		1.40	0.55	2.00	0.30	3.60	2.50		50
67	7	4	1	1	730701	0	6.80	4.00	34.00	0.30	0.90				7.00		4.88	
68	7	3	1	1	730701	0	6.90	6.00	25.00	0.60	1.20				4.50		7.35	
69	7	5	1	1	750513	0	6.20	8.00	12.90	0.50	0.40				3.00	1.04		
				2	750529	0	6.00	1.00	15.20	0.50	0.40				2.50	1.53		
				3	750611	0	6.10	1.00	15.30	0.50	0.60				7.00	2.40		
				4	750630	0	6.30	3.00	17.50	0.40	0.30				2.50	1.00		
				5	750715	0	6.30	2.00	19.60	0.60	0.60				8.50	3.60		
				6	750730	0	6.40	2.00	22.40	0.50	0.50				4.00	1.10		
				7	750813	0	6.60	3.00	22.40	0.60	0.60				6.00	3.10		
				8	750829	0	6.00	2.00	16.90	0.40	0.30				5.50	1.40		
				9	750930	0	6.00	2.00	18.70	0.40	0.50				4.00	2.14		
				10	750915	0	6.10	2.00	16.50	0.60	0.40				3.50	0.53		
				11	751015	0	5.60	1.00	16.50	1.40	0.50				3.50	2.09		
				12	751030	0	5.90	1.00	17.10	0.70	0.50				3.50	2.61		
				13	751112	0	6.00	1.00	16.70	0.40	0.30				3.00	0.73		
				14	751127	0	5.60	1.00	17.60	0.40	0.60				3.50	1.47		
				15	751215	0	5.60	1.00	17.60	0.30	0.60				4.00	1.05		
				16	751230	0	5.60	1.00	20.90	0.40	0.60				4.00	1.58		
				17	760115	0	5.60	1.00	23.20	0.60	0.40				5.50	1.02		
				18	760212	0	5.90	1.00	23.20	0.90	0.60				8.50	0.43		
				19	760315	0	5.50	1.00	23.76	0.80	0.60				6.00	0.43		
				20	760421	0	5.60	4.00	33.60	0.60	0.10				6.50	1.30		
				21	760525	0	5.70	1.50	24.84	0.40	0.60				6.00	0.90		
				22	760616	0	5.50	4.00	29.48	0.40	0.70				6.00	1.35		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
69	7	5	1	23	760721	0	5.80	4.00	34.56	0.40	1.00				8.00	2.83		
						0	5.91	2.11	20.71	0.55	0.51				4.98	1.55		
70	7	4	1	1	730701	0	6.40	2.00	28.00	0.80	1.20				5.50		2.40	
71	7	4	1	1	720101	0	6.10	3.00	29.00	0.65	1.20				6.50		3.70	
72	7	3	2	1	730201	0	6.34	3.50	31.00	0.83	1.20				6.70		4.30	
73	38	4	2	1	790329	0	5.76	1.00	49.80	0.81	1.49	1.00						35
74	38	4	1	1	790329	0	5.80	1.20	49.81	0.79	1.48	0.98						40
75	16	5	2	1	791002	0	6.57	16.40	111.55	1.93	6.06	0.97						275
76	16	1	3	1	800618	0	7.73	86.00	224.72	8.37	16.46	10.35						30
				2	721027	0	7.83			8.37	15.21	10.88						
						0	7.78	86.00	224.72	8.37	15.83	10.61						30
77	10	3	2	1	670805	0	6.60	5.80	33.50	0.86	3.20	0.10	3.30	0.20	4.90	2.60		
				2	800715	0	6.70	5.10	33.00		2.50	0.60	2.70	0.10	4.40	2.80		30
						0	6.65	5.45	33.25	0.86	2.85	0.35	3.00	0.15	4.65	2.70		30
78	7	5	1	1	730501	0	5.65	1.00	18.00	0.50	1.00				6.00			
79	10	3	2	1	670814	0	6.50	8.00	32.60	0.93	3.00	0.40	2.90		3.70	1.50		
80	10	3	2	1	670815	0	5.90	1.40	19.30	0.34	1.30	0.10	2.10	0.10	3.20	2.40		
				2	800715	0	5.90	1.80	21.00		1.10	0.30	2.10	0.10	2.90	2.80		80
						0	5.90	1.60	20.15	0.34	1.20	0.20	2.10	0.10	3.05	2.60		80
81	10	3	2	1	670815	0	6.00	2.80	25.90	0.77	2.30	0.50	2.30	0.10	4.60	2.50		
				2	800715	0	5.90	3.60	21.00		0.95	0.30	2.10	0.10	3.40	2.50		60
						0	5.95	3.20	23.45	0.77	1.62	0.40	2.20	0.10	4.00	2.50		60
83	7	6	1	1	770901	0	6.70	10.00	72.80	2.20	2.10				7.00			
85	10	1	1	1	7207	0	7.75		170.00									45
				2	7207	0	7.96		153.00									30
						0	7.85		161.50									38
86	7	1	1	1	720501	0	8.05	95.00	166.00	12.00	14.00				10.00		115.90	
87	24	6	1	1	800617	0	6.90	19.00	65.00	1.80	12.00	5.80			5.60	7.00		
				2	800812	0	6.90	13.00	47.00	1.50	11.00	4.00			5.60	8.00		
						0	6.90	16.00	56.00	1.65	11.50	4.90			5.60	7.50		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
88	7	4	1	1	720901	0	6.20	4.00	34.00	0.60	1.20				6.80		4.90	
89	6	3	1	2	800506	0	5.70	2.10	21.00		0.85	0.31	2.20	0.20	2.80	2.00		40
				3	800621	0	6.40	4.50	24.00		1.20	0.34	2.40	0.20	3.60	2.00		30
				4	800715	0	6.40	3.80	24.00		1.30	0.33	2.20	0.10	3.50	2.50		30
				5	800909	0	6.50	3.10	24.00		1.40	0.39	2.50	0.20	3.40	2.30		55
				6	801009	0	6.40	5.10	25.00		1.50	0.40	2.30	0.20	3.40	2.40		60
				7	801128	0	6.10	1.60	19.00		1.15	0.31	1.80	0.10	2.90	2.00		40
						0	6.25	3.37	22.83		1.23	0.35	2.23	0.17	3.27	2.20		43
89	7	3	1	1	730701	0	6.60	4.00	20.00	0.40	1.20				3.50		4.88	
90	10	3	2	1	670719	0	6.10	3.00	22.90	0.53	1.90	0.10	2.20	0.10	3.10	2.20		
				2	800715	0	6.60	4.00	25.00		1.60	0.36	2.50	0.10	3.50	2.20		50
						0	6.35	3.50	23.95	0.53	1.75	0.23	2.35	0.10	3.30	2.20		50
91	7	4	2	1	750224	0	6.00	2.00	44.80	0.50	0.40				11.00		2.40	
				2	750226	0	6.40	3.00	45.80	0.60	0.70				12.00		3.70	
				3	750325	0	5.70	2.00	40.30	0.50	0.40				10.00		2.40	
				4	750408	0	5.50	1.00	20.10	0.40	0.20				5.50		1.00	
				5	750421	0	5.20	1.00	33.20	0.60	0.20				8.00		1.00	
				6	750520	0	5.90	1.00	42.20	0.60	0.60				10.50			
				7	750620	0	5.80	1.00	31.80	0.40	1.00				7.00			
				8	750721	0	6.10	2.00	37.00	0.50	0.60				9.00			
				9	750819	0	6.40	2.00	41.30	0.70	0.70				10.50			
				10	750919	0	6.40	2.00	38.50	0.40	0.40				8.50			
				11	751020	0	6.40	1.00	42.20	0.50	0.90				11.00			
				12	751120	0	6.00	1.00	36.30	0.60	0.50				8.50			
				13	751219	0	5.90	1.00	37.80	0.60	0.60							
				14	760319	0	6.20	1.00	47.50	0.80	0.70							
				15	760219	0	5.60	1.00	45.40	0.70	0.70							
				16	760121	0	5.90	1.00	39.40	0.50	0.60							
				17	780309	0	5.30	1.00	54.00	1.20	0.60				12.50			
				18	780323	0	5.70	1.00	35.60	0.50	0.30				10.00			
				19	780406	0	5.50	1.00	37.80	0.80	0.40				10.50			
				20	780421	0	5.70	1.00	31.30	0.50	0.30				7.00			
				21	780508	0	5.80	1.00	77.80	0.80	0.70				21.50			
				22	780523	0	5.80	1.00	63.20	0.80	1.00				16.00			
				23	780530	0	5.90	1.00	59.40	1.00	0.90				16.00			
				24	780616	0	5.70	1.00	65.30	1.60	0.70				18.00			
				25	780630	0	5.90	2.00	69.10	0.80	0.70				17.00			
				26	780717	0	5.90	2.60	62.60	0.60	0.90				15.00			
				27	780728	0	6.00	2.00	63.70	0.60	0.80				16.00			
				28	780814	0	6.50	1.50	54.00	0.60	1.10				12.00			
				29	780831	0	6.30	1.00	58.30	0.60	1.00				14.50			
				30	780909	0	6.30	1.00	54.00	0.60	1.00				14.50			

Table 1. (Cont'd.)

IDEN	SUBH AGEN	GEOG REG	MAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
91	7	4	2	31	780929	0	6.40	1.00	47.50	0.60	0.80				13.50			
				32	781010	0	6.10	1.00	47.50	0.60	1.00				13.00			
				33	781030	0	6.50	2.00	51.80	0.40	1.00				13.00			
				34	781115	0	6.30	2.00	51.30	0.90	0.90				12.50			
				35	790123	0	6.40	2.00	40.00	0.55	0.80				11.00			
				36	790216	0	5.90	1.00	63.50	0.80	1.00				17.00			
				37	790228	0	6.00	1.00	66.00	0.80	1.00				18.00			
				38	800514	0	5.84	1.00	76.00	0.70	1.10	0.58			24.50	2.00		
				39	800612	0	5.80	1.00	57.00	0.60	0.70	0.52			19.00	2.00		
				40	800716	0	6.16	1.00	47.00	0.50	0.60	0.47			16.00	2.00		
				41	800812	0	6.35	1.00	60.00	0.60	0.70	0.55			20.00	3.00		
				42	800917	0	5.91	1.50	46.00	0.60	0.70				15.00			
				43	801014	0	5.90	2.00	39.00	0.40	0.50				12.50			
				44	801114	0	5.63	1.50	37.00	0.50	0.50				15.50			
				45	801218	0	5.63		60.00	0.50	0.60							
						0	5.97	1.35	48.87	0.63	0.70	0.53			13.31	2.25	2.10	
92	16	3	2	1	750625	0	6.13	0.60	35.56	0.47	1.66	0.48						30
93	6	4	1	1	770601	0	6.00	0.60			2.01	0.78	7.78		23.87	4.72		
				2	770720	0	6.03	1.80			2.95	1.08	10.30		24.46	1.06		
				3	770901	0		4.20			3.11	0.99	13.37					
				4	771010	0	5.85	1.60			1.63	0.98	8.06		24.80			
				5	771109	0	6.05	1.20			3.17	1.02	10.08		21.30	5.70		
				6	771213	0	5.48	1.00			1.73	0.91	7.26		16.90			
				7	780101	0	4.92	1.00				0.78			18.40			
				8	780301	0	5.45	7.80				0.96			14.00			
				9	780425	0		0.40				0.62			14.00			
				10	780605	0	5.20	0.10				0.70			14.00			
				11	780705	0	6.30	2.40				0.92	8.58		18.60			
				12	780825	0	5.95	2.20				0.99	10.21		22.97			
				13	781010	0	5.05	1.00				0.87	7.73		20.42			
				14	781201	0	5.15	1.00				0.97	9.33		17.07			
				15	790110	0	5.35	8.40				0.85	6.75		22.23			
				16	790131	0	5.40	1.00				0.59	5.62		45.00			
				17	790227	0	5.85	1.40				0.86	19.50		17.00	6.00		
				18	790328	0	5.90	1.00				0.68	5.90		16.00			
				19	790523	0	6.33	1.40				0.70			17.00			
				20	790724	0	6.20	2.20				0.83			12.00			
				21	790827	0	6.52	3.00	87.33		1.41	0.75			24.00			
				22	791002	0	5.97	2.60	65.11						23.00	5.00		
				23	791106	0	5.60		63.87		1.64	0.72			14.00	5.70		
				24	791204	0	5.93	1.90	58.17				6.55		15.00	4.00		
				25	800227	0	5.68	1.60	66.40		2.18	0.96			17.00	5.00		
				26	800610	0	6.06	1.00			1.36	0.65			12.00	5.00		
						0	5.76	2.07	68.18		2.12	0.84	9.13		19.40	4.69		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
94	7	4	1	1	720801	0	6.70	4.00	35.00	0.60	1.10				7.50			
95	7	4	1	1	720801	0	5.75	1.00	29.00	0.45	0.70				6.80		1.20	
96	7	4	1	1	720601	0	6.55	2.50	41.00	0.55	0.80				10.30		3.10	
97	7	2	1	1	7408	0	6.50	4.00	30.00	0.80								
98	6	3	2	1	800715	0	6.20	4.80	29.00		2.00	0.45	2.70		3.80	3.30		
98	20	3	2	1	7603	0	6.41	1.60	21.20		1.06	0.36						
99	7	4	2	1	720601	0	6.30	4.00	68.00	2.20	1.80				14.50			
				2	750915	0	6.90	7.00	88.00	1.40	2.80				21.50			
				3	751029	0	6.70	3.00	70.68	1.90	2.20					18.00		
				4	750604	0	6.90	4.00	84.27	1.20	1.20					20.50		
				5	750728	0	6.60	10.00	95.45	1.70	3.70					22.50		
				6	750829	0	6.70	7.00	87.45	1.40	3.00					21.00		
						0	6.68	6.33	82.31	1.63	2.45				18.00	20.50		
100	7	3	1	1	730701	0	6.70	6.00	23.00	0.70	1.50				3.00		7.32	
101	7	6	1	1	800605	0	7.40	44.00	270.00	12.60	15.20				23.50			
				2	800923	0	7.65	32.00	200.00	8.90	18.00				21.50			
						0	7.52	38.00	235.00	10.75	16.60				22.50			
102	7	4	1	1	720301	0	6.20	2.00	24.00	0.45	0.60				5.80		2.40	
103	7	4	1	1	720801	0	6.25	3.00	39.00	0.60	0.70				9.30		3.70	
104	7	4	1	1	720901	0	6.13	4.00	36.00	0.80	1.30				7.50		4.90	
105	4	3	2	1	8011	0	6.00	1.90	20.00		1.20	0.48	1.50	0.30	2.40	2.10		40
106	7	3	1	1	730701	0	6.70	6.00	48.00	1.30	2.80				17.20		7.32	
107	13	3	2	1	800908	0	5.66	4.00	47.00	1.09	2.25	0.91						150
108	16	3	2	1	800425	0	4.55	1.00	85.41	0.84	1.13	1.23						120
109	7	1	1	1	730501	0	7.46	22.00	71.00	4.20	10.00				5.50		39.00	
110	20	1	2	1	790926	0	4.60		16.80	1.60								
111	6	1	1	1	720122	0	5.30	2.10	23.80		0.90	0.50	2.20		3.80	2.40		
				2	720217	0	5.50	1.30	22.50		1.00	0.50	2.20		4.00	3.30		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
111	6	1	1	3	720314	0	5.50	2.20	28.70		1.40	0.80	2.90		6.00	2.60		
				4	721031	0	5.10	1.00	22.10		0.50	0.50	1.80		3.70	1.10		
				5	730604	0	4.60	1.00	23.90		0.60	0.30	2.00		4.00	2.00		
				6	730710	0	4.80	2.10	20.60		1.00	0.40	2.00		3.70	2.00		
				7	731023	0	5.20	2.40	23.00		1.00	0.50	1.90		4.00	5.00		
				8	740130	0	4.80	1.00	29.80		1.10	0.70	2.90		5.40	7.00		
				9	740404	0	5.10	1.20	26.30		0.40	0.70	2.70		5.20	5.00		
				10	740620	0	4.90	1.00	16.80		0.80	0.30	1.30		3.60	2.00		
				11	740918	0	5.10	2.10	19.80		0.80	0.50	2.10		3.40	4.00		
				12	750131	0	5.40	3.10	21.20		0.80	0.50	2.80		3.50	4.00		
				13	750318	0	6.00	1.90	32.30		0.80	0.67	3.30		5.10	5.00		
				14	751024	0	5.30	0.60	23.40		0.80	0.60	1.80		1.00	5.00		
				15	760131	0	5.20	0.50	27.00		0.80	0.50	2.60		4.70	3.00		
				16	760526	0	5.10	0.80	14.00		0.30	0.20	1.80		2.00	1.50		
				17	760803	0	5.40	1.10	15.00		0.50	0.30	1.40		1.60	1.90		
				18	761014	0	5.30	0.70	24.00		0.80	0.63	2.10		3.90	4.00		
				19	770620	0	4.90	0.50	13.50		0.25	0.20	1.40		2.30	1.80		
				20	770713	0	7.00	0.90	20.00		1.20	0.27	1.90		2.70	2.00		
				21	770809	0	5.10	0.50	15.00		0.50	0.35	1.50		1.70	3.20		
				22	771015	0	4.80	0.30	22.00		0.60	0.35	1.50		2.60	3.90		
				23	780130	0	4.80	0.50	47.00		1.30	0.50	4.40		9.00	4.00		
				24	780313	0	5.20	0.50	29.00		1.10	0.67	2.80		5.60	3.30		
				25	780603	0	4.90	0.60	17.00		0.22	0.21	1.40		2.60	2.60		
				26	781025	0	5.30	0.50	21.00		0.70	0.35	2.00		3.50	3.30		
				27	790207	0	5.00	0.50	22.00		0.90	0.40	2.10		3.90	2.00		
						0	5.21	1.15	22.99		0.78	0.46	2.18		3.80	3.22		
112	7	4	1	1	720601	0	6.32	3.00	39.00	0.80	1.30				8.50		3.90	
113	7	4	1	1	720801	0	6.15	2.50	27.00	0.60	0.90				6.30		3.10	
114	10	3	2	1	670809	0	6.30	3.10	22.10	0.57	2.00	0.20	2.10	0.10	3.10	2.60		
				2	800715	0	6.20	3.30	22.00		1.50	0.40	2.00	0.10	2.70	3.00		100
						0	6.25	3.20	22.05	0.57	1.75	0.30	2.05	0.10	2.90	2.80		100
115	10	3	2	1	670809	0	6.20	4.00	24.70	0.63	2.10	0.30	2.50	0.10	3.60	3.60		
				2	800715	0	6.30	5.40	22.00		1.50	0.40	2.00	0.10	2.80	2.80		100
						0	6.25	4.70	23.35	0.63	1.80	0.35	2.25	0.10	3.20	3.20		100
116	7	5	2	1	740618	0	6.90	4.00	26.00	0.60						4.00		
				2	740704	0	6.30	4.00	22.00	0.70						4.00		
				3	740718	0	6.30	6.80	24.00	0.62						3.00		
				4	740731	0	6.10	6.00	24.00	0.66						5.00		
				5	740813	0	6.30	7.00	26.00	0.82						5.00		
				6	740828	0	6.30	5.60	22.00	0.74								
				7	740911	0	6.20	1.20	23.00	0.63						0.80		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
116	7	5	2	8	741003	0	6.20		20.00	0.62						1.60		
				9	741016	0	6.20	0.80	19.00	0.70						0.50		
				10	741105	0	6.20	1.60		0.69						0.90		
				11	741119	0	6.40	2.80	15.00	0.57						0.80		
				12	750123	0	6.10	1.40	19.00	0.52						2.00		
				13	750206	0	6.50	7.20	19.00	1.79						0.46		
				14	750221	0	6.80	7.00	20.00	1.14								
				15	750308	0	6.40	20.00	20.00	2.30						2.38		
				16	750506	0	6.20	1.00	5.00	0.40						1.50		
				17	750521	0	6.20	1.40	16.00	0.46						1.00		
				18	750602	0	6.20	2.40	15.00	0.71						0.77		
				19	750619	0	7.00	5.40	19.00	0.90						1.17		
				20	750701	0	6.60	4.80	26.00	1.16						1.17		
				21	750513	0	6.70	12.00	21.60	0.60	1.30				3.50	1.54		
				22	750529	0	6.50	2.00	22.90	0.60	1.30				3.00	1.03		
				23	750611	0	6.30	1.00	23.80	0.60	1.30				6.50	1.10		
				24	750630	0	6.80	4.00	27.00	0.90	1.60				4.50	0.90		
				25	750715	0	6.90	7.00	31.40	1.20	2.50				5.00	1.80		
				26	750730	0	7.00	10.00	48.20	1.60	4.30				5.50	5.90		
				27	750813	0	6.90	4.00	40.40	1.10	3.30				4.50	2.50		
				28	750829	0	6.20	7.00	53.00	1.10	2.60				5.00	6.10		
				29	750915	0	6.70	3.00	20.40	0.60	1.10				3.50	1.60		
				30	750930	0	6.60	3.10	24.20	0.70	1.40				5.00	1.60		
				31	751015	0	6.20	3.00	21.70	0.60	1.10				6.50	2.09		
				32	751030	0	6.20	2.00	20.50	0.80	1.00				4.00	2.61		
				33	751112	0	6.20	2.00	21.10	0.60	0.90				3.50	0.73		
				34	751127	0	6.10	2.00	24.20	0.60	1.00				4.00	5.13		
				35	751205	0	6.80	1.00	49.50	0.60	1.00				4.00	0.53		
				36	751230	0	6.20	2.00	39.60	1.00	1.60				9.50	0.53		
				37	760115	0	5.90	1.00	27.84	0.70	1.00				6.50			
				38	760217	0	5.70	3.00	25.52	0.70	0.80				6.50	0.86		
				39	760315	0	6.00	2.00	56.16	1.00	1.30				14.00	1.29		
				40	760421	0	6.20	2.00	49.00	0.40	2.00				7.50	0.80		
				41	760525	0	6.30	2.50	33.48	0.60	3.00				7.50	0.90		
				42	760616	0	6.20	6.00	30.60	0.40	1.60				7.00	1.80		
				43	760721	0	6.20	6.00	41.04	0.60	2.60				8.50	1.89		
						0	6.38	4.24	26.98	0.80	1.72				5.87	1.98		
117	7	4	1	1	730701	0	6.75	3.00	37.00	0.60	1.20				7.50		3.60	
118	16	5	2	1	800528	0	6.23	2.00	36.25	0.53	1.28	0.49						30
119	7	5	1	1	730501	0	6.45	2.00	34.00	0.60	1.20				9.50		2.40	
120	7	3	1	1	720801	0	6.80	6.00	42.00	0.85	1.60				8.50		7.30	

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
121	7	4	2	1	730301	0	6.97	8.30	62.00	1.60	4.50				17.30		10.20	
122	16	4	1	1	740307	0	6.33	2.00	34.50	0.56	1.24	0.61	4.00		6.50	7.80		
123	16	1	2	1	800218	0	8.26	110.60	223.48	12.64	38.43	7.40						30
124	6	4	2	1	710913	0	6.00	2.90	39.20		1.10	0.70	5.20		8.00	3.00		
125	7	2	1	1	7408	0	6.00	4.00	14.00	0.60					1.50			
126	36	5	2	1	801222	0	5.00	2.00	46.70	0.60	1.16	0.75	5.50		8.10	3.40		142
127	16	3	2	1	750416	0	6.85	65.80	244.90	8.68	26.30	5.06						15
128	7	4	1	1	730301	0	6.20	2.00	32.00	0.50	1.00				7.50		2.40	
129	16	4	1	1	791109	0	6.33	2.60	73.97	1.33	2.32	1.34						110
130	7	5	1	1	721001	0	6.45	6.00	32.00	1.00	1.70				5.00		7.30	
131	20	2	2	1	7603	0	5.83	1.20	17.99		0.95	0.33	1.38					
132	4	2	2	1	8011	0	5.90	1.50	18.00		1.10	0.37	1.60	0.10	2.10	2.00		30
133	7	4	1	1	730701	0	6.62	4.00	37.00	0.80	1.50				7.00		4.88	
134	7	4	2	1	720601	0	6.00	2.00	39.00	0.50	1.10				9.50			
				2	750224	0	6.00	1.00	31.20	0.40	0.40				7.50		1.00	
				3	750226	0	5.80	1.00	33.28	0.60	0.40				9.00		1.00	
				4	750325	0	5.90	3.00	36.00	0.60	0.40				9.50		3.70	
				5	750408	0	5.90	2.00	28.62	0.60	0.20				8.00		2.40	
				6	750421	0	5.90	1.00	41.73	0.60	0.40				11.50		1.00	
				7	750520	0	5.60	1.00	46.74	0.60	0.70				14.00			
				8	750620	0	6.30	2.00	42.40	0.50	0.60				10.50			
				9	750721	0	6.10	2.00	48.16	0.60	1.10				12.50			
				10	750819	0	6.20	2.00	34.98	0.40	0.60				8.00			
				11	750919	0	6.00	2.00	46.20	0.60	0.50				12.00			
				12	751020	0	6.10	1.00	46.74	0.60	0.80				8.00			
				13	751120	0	5.90	1.00	38.50	0.50	0.60				9.00			
				14	751219	0	6.00	1.00	33.48	0.60	0.60				7.00			
				15	760319	0	5.90	1.00	32.40	1.00	0.70				7.50			
				16	760219	0	5.80	1.00	35.64	0.60	0.60				9.00			
				17	760121	0	6.00	5.00	37.72	0.50	0.60				9.50			
				18	750513	0	6.50	8.00	39.00	0.60	0.60				11.00	1.28		
				19	750529	0	6.10	2.00	39.00	0.70	0.70				11.00	1.71		
				20	750612	0	5.90	1.00	41.00	0.60	0.30				11.00	1.70		

Table 1. (Cont'd.)

IDEN	SUBH AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
134	7	4	2	21	750715	0	6.20	2.00	42.00	0.60	1.00				0.50	3.20		
				22	750730	0	6.30	3.00	35.00	0.50	1.00				9.00	2.90		
				23	750814	0	6.20	2.00	38.00	0.40	0.50				8.50	2.10		
				24	750829	0	5.90	2.00	35.00	0.50	0.50				8.00	2.90		
				25	750915	0	6.10	1.00	40.00	0.60	0.50				10.00	2.67		
				26	750930	0	6.10	1.00	39.60	0.50	0.50				10.00	2.14		
				27	751015	0	6.00	2.00	34.20	0.40	0.90				8.50	2.61		
				28	751030	0	6.10	2.00	36.50	0.40	0.90				9.00	1.58		
				29	751103	0	6.00	1.00	36.30	0.50	0.80				9.50	2.93		
				30	751127	0	6.00	1.00	35.50	0.50	0.50				8.00	2.20		
				31	751215	0	6.00	1.00	33.00	0.50	0.60				8.00	0.53		
				32	751230	0	5.90	1.00	31.90	0.40	0.60				7.50	1.05		
				33	760116	0	5.80	1.00	27.84	0.40	0.50				7.00	0.51		
				34	760215	0	5.90	1.00	34.80	0.60	0.40				8.00	0.43		
				35	760321	0	5.70	1.00	41.04	0.70	0.60				10.50	0.43		
				36	760325	0	5.80	1.00	53.96	0.40	1.00				12.00	0.43		
				37	760525	0	5.80	1.00	39.96	0.70	0.70				12.00	3.60		
				38	760616	0	5.80	1.00	44.88	0.40	1.00				12.50	3.60		
				39	760721	0	5.60	1.00	44.24	0.40	1.30				10.50	4.25		
				40	800514	0	5.92	1.00	63.00	0.65	0.60				22.00	1.00		
				41	800612	0	5.80	0.70	66.00	0.60	0.70	0.77				23.50		300
				42	800716	0	6.17	1.00	58.00	0.60	0.60	0.71				18.00		200
				43	800812	0	6.30	1.00	44.00	0.50	0.60	0.59				15.00		200
				44	800917	0	5.61	1.00	67.00	0.60	0.60					19.50		
				45	801014	0	6.10	1.50	48.00	0.50	0.60				15.50			
				46	801114	0	5.70	1.00	43.00	0.50	0.50				16.00			
				47	801218	0	5.98	0.00	37.00	0.40	0.50							
						0	5.97	1.56	40.88	0.54	0.65	0.69			9.94	4.51	1.82	233
135	7	4	1	1	720501	0	6.05	1.00	26.00	0.50	0.90				7.50		1.20	
136	6	5	1	1	720219	0	5.80	3.60	43.90		2.20	0.40	5.30		9.30	3.50		
				2	720520	0	6.10	2.90	23.10		1.50	0.38	2.50		4.00	2.50		
				3	720615	0	6.10	4.90	32.30		1.90	0.50	3.10		4.80	2.20		
				4	721115	0	5.40	2.40	29.30		1.80	0.50	2.80		5.00	2.30		
				5	730125	0	6.50	6.40	53.90		2.80	0.80	5.60		9.90	2.70		
				6	730215	0	6.00	3.10	34.90		1.60	0.40	4.40		7.40	1.00		
				7	730315	0	6.80	1.70	41.80		1.80	0.50			7.30	6.00		
				8	730415	0	6.20	4.60	35.60		2.00	0.50	3.60		6.50	1.60		
				9	730515	0	5.10	2.10	30.80		1.80	0.40	2.80		4.70	5.00		
				10	730614	0	5.30	1.80	35.30		1.90	0.50	3.00		4.80	3.00		
				11	730715	0	6.00	3.10	32.10		2.00	0.52	3.30		4.90	6.00		
				12	730815	0	5.80	4.50	32.70		2.20	0.60	3.00		4.10	5.00		
				13	730918	0	6.80	7.40	32.80		2.30	0.60	3.10		4.70	4.00		
				14	731015	0	6.50	6.60	35.40		2.30	0.60	3.70		5.60	2.00		
				15	731114	0	6.30	3.60	31.60		2.00	0.60	3.00		5.30	4.00		

Table 1. (Cont'd.)

IDEN	SUBH AGEN	GEOG REG	MAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
136	6	5	1	16	731214	0	5.60	2.50	29.70		2.00	0.60	2.90		5.30	4.00		
				17	740116	0	6.30	5.50	42.30		2.60	0.70	4.50		7.60	5.00		
				18	740214	0	6.10	3.30	66.10		4.20	1.00	7.10		13.00	8.00		
				19	740314	0	5.60	4.00	46.30		2.30	0.70	4.90		9.50	2.00		
				20	740415	0	5.90	2.10	25.40		1.30	0.40			5.20	2.00		
				21	740515	0	6.50	1.40	21.80		1.20	0.40	2.30		4.10	2.00		
				22	740614	0	7.10	3.70	30.00		1.60	0.40	3.20		4.60	5.00		
				23	740814	0	6.40	6.20	32.50		2.90	0.30	4.50		4.80	5.00		
				24	740914	0	6.20	7.30	38.50		2.60	0.70	4.20		5.60	4.00		
				25	741015	0	6.20	3.40	24.30		1.70	0.50	2.70		3.70	4.00		
				26	741114	0	6.00	3.80	27.60		2.10	0.50	2.90		4.90	4.00		
				27	741216	0	6.10		27.60		1.30	0.42	2.90		5.40			
				28	750114	0	6.80	4.30	36.30		2.50	0.57	3.80		6.80	4.00		
				29	750216	0	6.80	7.10	46.90		3.60	0.70	7.60		5.20	5.00		
				30	750319	0	6.60	6.80	69.80		3.70	0.87	12.00		6.90	5.00		
				31	750415	0	6.20	1.40	30.50		1.50	0.35	5.50		3.00	4.00		
				32	750515	0	6.20	4.20	27.50		1.40	0.37	4.60		2.70	2.00		
				33	750615	0	6.80	6.10	37.10		1.80	0.50	4.00		6.90	2.00		
				34	750715	0	7.20	5.10	35.90		2.20	0.60	4.30		7.10	2.00		
				35	750815	0	6.50	8.80	47.60		2.80	0.83	4.80		8.20	2.00		
				36	750917	0	6.70	7.90	42.70		3.10	0.70	4.10		6.30	5.00		
				37	751014	0	6.40	3.80	32.50		0.50	0.60	3.30		4.60	6.00		
				38	751114	0	6.70	3.50	27.30		1.80	0.50	2.70		4.60	6.00		
				39	751228	0	5.90	2.50	41.60		2.10	0.60	4.80		8.80	2.60		
				40	760122	0	7.00	2.90	39.60		1.60	0.50	4.90		8.40	2.70		
				41	760218	0	6.30	1.40	51.80		2.30	0.70	6.20		12.00	3.00		
				42	760314	0	5.80	3.50	55.00		2.60	0.70	7.30		13.00	4.00		
				43	760415	0	6.50	1.70	52.20		2.20	0.70	6.10		12.00	2.40		
				44	760614	0	6.10	4.70	46.00									
				45	760715	0	6.60	5.20	48.00		2.30	0.70	5.60		10.00	2.90		
				46	760815	0	6.80	6.60	48.00		2.50	0.70	5.30		8.50	2.80		
				47	760831	0	6.40	7.10	52.00		3.00	0.80	4.70		7.70	2.60		
				48	760915	0	6.30	5.00	58.00			0.80	5.80			2.60		
				49	761015	0	7.10	5.20	48.00		2.50	0.62	5.80		8.80	5.80		
				50	761115	0	6.40	3.00	46.00		2.80	0.68	5.20		9.20	5.20		
				51	761214	0	5.60	4.50	78.00		2.80	0.80	4.70		8.10	4.70		
				52	770115	0	6.10	1.50	48.00		2.70	1.30	7.90		9.50	7.90		
				53	770215	0	6.80	4.30	58.20		2.50	0.80	6.10		13.20	3.30		
				54	770315	0	6.90	4.70	70.70		3.30	0.90	6.90		15.00	3.00		
				55	770415	0	6.00	2.20			2.50	0.62	8.80		11.50	3.80		
				56	770516	0	6.00	4.40	50.80		2.40	0.62	5.70		11.00	2.80		
				57	770615	0	6.80	3.00	48.70		2.50	0.65	5.90		10.00	2.70		
				58	770622	0	6.12				3.80	0.74	5.60			3.00		
				59	770715	0	6.90	6.50	60.00		2.90	0.80			12.00			
				60	770728	0	6.37				3.90	0.78				2.00		
				61	770814	0	7.00	5.00	58.00		3.70	0.80	6.20		11.00			

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
136	6	5	1	62	770908	0	6.40		45.00		4.30	0.77				2.50		
				63	771017	0	6.50	3.70	39.00		2.40	0.70	4.90		10.00			
				64	771101	0	6.30	0.50	51.00		2.40	0.60	4.60		6.90	2.80		
				65	771215	0	6.20	2.30	51.00		2.60	0.80	5.90		10.00	3.20		
				66	780119	0	6.50	1.50	45.00		1.50	0.45	5.70		9.50	3.00		
				67	780201	0	6.10	3.10	38.40		1.50	0.40	4.60		8.10	2.60		
				68	780417	0	6.80	2.70	53.00		2.40	0.50	6.30			2.50		
				69	780501	0	6.00	1.80	30.00		0.70	0.35	3.40					
				70	780602	0	6.80	5.00	39.00		1.90	0.48	4.40			2.30		
				71	780630	0	6.30	3.90	37.00		2.10	0.50	4.20		5.40	3.00		
				72	780802	0	6.50	5.70	48.00		2.70	0.80	5.30			2.50		
				73	780915	0	7.00	3.50	55.00		3.10	0.75	6.60			3.60		
				74	781115	0	6.80	4.40	42.00		1.90	0.60	4.50			3.30		
				75	781201	0	6.60	5.40	44.00		1.70	0.42	5.00		8.40	3.00		
				76	790102	0	6.60	1.90	31.00		1.20	0.32	3.50			2.40		
				77	790131	0	5.80	1.50	41.00		1.00	0.40	5.20			2.50		
				78	790216	0	6.20	3.10	48.00		2.10	0.50	5.80			2.50		
						0	6.34	4.00	42.24		2.28	0.61	4.82		7.54	3.48		
137	7	5	1	1	720701	0	6.85	6.00	38.00	1.20	1.40				3.00			
138	7	5	1	1	740704	0	6.10	7.00	28.00	0.88								
				2	740718	0	6.30	7.00	27.00	0.80								
				3	740731	0	6.80	7.00	27.00	0.80								
				4	740813	0	6.30	8.40	31.00	1.00								
				5	740828	0	6.70	8.40	26.00	0.88								
						0	6.44	7.56	27.80	0.87								
139	7	5	1	1	740704	0	6.30	5.00		0.68								
				2	740718	0	6.20	6.60		0.80								
				3	740731	0	6.30	8.00		0.72								
				4	740813	0	6.20	7.40		0.90								
				5	740828	0	6.50	8.40		0.90								
						0	6.30	7.08		0.80								
140	7	4	1	1	7506	0	6.20	2.00	24.38	0.50	0.50				3.50			
				2	800514	0	5.76	1.00	19.80	0.40	0.50	0.37			7.00	2.00		
				3	800612	0	5.50	4.00	20.00	0.40	0.60	0.40			7.50	2.00		
				4	800716	0	5.70	4.00	19.50	0.40	0.50	0.45			5.50	1.00		
				5	800812	0	5.89	1.00	19.50	0.50	0.70	0.51			6.50	1.00		
				6	800917	0	5.45	1.00	24.90	0.50	0.60				6.50			
				7	801014	0	5.20	1.00	22.00	0.40	0.50				7.00			
				8	801114	0	5.00	1.00	22.00	0.30	0.60				10.00			
				9	801218	0	5.70		29.00	0.40	0.70							
						0	5.60	1.88	22.34	0.42	0.58	0.43			6.69	1.50		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEPT	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
141	7	5	1	1	730601	0	6.25	5.00	15.00	0.60	1.20				2.00		6.10	
142	16	5	1	1	800204	0	5.34	1.00	46.43	0.52	1.12	0.48						45
143	7	4	1	1	720501	0	6.66	5.00	49.00	1.25	2.40				11.50		6.10	
144	16	6	1	1	790925	0	5.83	8.60	41.45	1.07	1.86	1.01						225
145	7	4	1	1	730701	0	6.70	5.00	41.00	0.80	1.20				7.50		6.10	
146	4	6	2	1	8011	0	6.70	6.20	32.00		2.90	0.53	2.10	0.30	4.50	2.50		20
147	7	6	1	1	721001	0	7.70	40.00	77.00	4.40	9.00				4.50		49.00	
148	4	2	2	1	8011	0	6.70	7.20	26.00		2.80	0.43	1.30	0.10	2.30	2.10		10
149	7	4	1	1	730301	0	5.90	2.00	20.00	0.40	0.50				5.50		2.40	
150	4	3	2	1	8011	0	5.70	1.49	21.00		1.40	0.59	1.40	0.20	2.30	2.80		100
151	7	6	1	1	721001	0	6.50	12.00	76.00	3.00	6.20				9.50		14.60	
152	7	6	1	1	721001	0	6.60	6.00	29.00	1.30	3.50				5.50		7.30	
153	10	1	1	1	7207	0	7.61		85.00									30
154	16	3	2	1	700522	0	6.70	6.60	150.00	2.17								30
155	7	4	2	1	730201	0	6.10	2.00	32.00	1.00	1.00				10.00		2.40	
156	7	4	1	1	730501	0	6.30	6.00	50.00	0.90	1.90				10.50		7.32	
157	16	3	2	1	730118	0	6.38			0.74	1.24	0.92						
158	16	3	2	1	780828	0	6.72	5.00	58.10	1.07	3.21	0.62	6.71					20
				2	790710	0	5.94	4.00	58.30	0.84	2.30	0.60						10
				3	790710	0	6.29	5.20	52.30	0.92	2.71	0.56						15
						0	6.32	4.73	56.23	0.94	2.74	0.59	6.71					
159	4	2	2	1	8011	0	5.80	1.56	19.00		0.75	0.34	1.70	0.10	2.80	2.00		25
160	10	3	2	1	670810	0	6.20	2.80	24.20	0.49	1.60	0.20	2.50	0.30	3.80	2.40		
				2	800715	0	6.30	3.90	27.00		1.70	0.45	2.40	0.10	3.50	2.80		100
						0	6.25	3.35	25.60	0.49	1.65	0.32	2.45	0.20	3.65	2.60		100
161	7	3	1	1	730701	0	6.10	2.00	22.00	0.40	0.90				4.50		2.40	

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
162	4	3	2	1	8011	0	5.20	0.12	23.00		1.10	0.51	1.60	0.40	2.20	3.30		100
163	7	6	1	1	720501	0	6.79	6.00	32.00	1.20	2.20				6.00		7.30	
165	7	6	1	1	721001	0	7.10	12.00	44.00	2.00	4.00				6.00		14.60	
166	10	1	2	1	730721	0	7.00	1.30	23.00	0.46	1.20	0.40	2.10	0.20	3.50	3.00	1.60	25
				2	730721	15	6.70	1.90	23.00	0.46	1.20	0.40	2.50	0.20	4.20	2.00	2.30	30
				3	730721	30	6.17		25.00									15
				4	730721	60	6.60	0.90	26.00	0.53	1.30	0.50	2.40	0.20	4.20	5.00	1.10	10
						26	6.62	1.37	24.25	0.48	1.23	0.43	2.33	0.20	3.97	3.33	1.67	20
167	4	3	2	1	8011	0	6.40	2.50	19.00		1.10	0.45	1.50	0.10	2.20	2.10		30
168	7	4	1	1	730701	0	6.64	2.50	38.00	0.75	1.60				9.30		3.10	
169	7	4	2	1	730201	0	6.70	6.00	40.00	0.80	1.20				12.00		7.30	
170	16	3	2	1	740619	0	5.02	0.10	85.32	0.87	1.33	1.23						50
171	7	1	1	1	720501	0	7.40	20.00	57.00	3.20	7.50				8.00		26.40	
172	7	3	1	1	730701	0	6.25	4.00	39.00	0.80	1.50				8.00		4.80	
173	7	4	1	1	730501	0	6.40	2.00	58.00	1.20	2.00				13.00		2.44	
174	20	5	2	1	800808	0	4.25	1.00	30.00	0.30	0.78	0.26			6.00			
				2	801030	0	5.56	1.00	20.00	0.38	1.04	0.30			5.00			
						0	4.90	1.00	25.00	0.34	0.91	0.28			5.50			
175	20	5	1	1	800811	0	4.76	1.00	20.00	0.32	0.87	0.26			7.00			
				1	800811	0	5.23	1.00	20.00	0.34	0.92	0.27	7.00					
				2	801030	0	5.96	1.00	20.00	0.29	0.89	0.17	5.00					
				2	801031	0	5.51	1.00	20.00	0.32	0.79				5.00			
						0	5.36	1.00	20.00	0.32	0.87	0.23	6.00		6.00			
177	10	3	2	1	670719	0	6.20	1.40	19.90	0.36	1.40	0.10	2.10	0.10	3.70	2.10		
				2	800715	0	6.30	3.00	21.00		0.90	0.28	2.00	0.10	3.10	2.00		10
						0	6.25	2.20	20.45	0.36	1.15	0.19	2.05	0.10	3.40	2.05		10
178	16	5	2	1	710405	0	6.20	8.10	64.00	1.56	4.00				10.30	2.40		35
179	16	4	2	1	791120	0	6.19	2.50	44.97	0.70	1.53	0.75						25
180	20	2	2	1	800619	0	7.62	51.30	127.24	5.07	17.60	3.43						25
				2	800707	0	8.04	40.10	133.09	5.52	15.93	3.74						20

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
180	20	2	2	3	800721	0	7.60	47.50	114.60	6.13	18.18	3.87						30
				4	800729	0	7.86	53.20	132.88	5.71	16.74	3.70						20
				5	800812	0	7.51	56.50	127.94	4.74	18.98	3.46						10
				6	800903	0	7.22	55.00	130.00	6.06	18.54	3.47						20
				7	800912	0	7.85	58.00	110.00	6.09	18.49	3.57						20
				8	800924	0	7.72	56.00	129.90	6.03	17.84	3.84						30
						0	7.68	52.20	125.71	5.67	17.79	3.63						22
181	16	3	1	1	800530	0	6.29	19.50	149.78	2.57	7.83	1.51						5
182	7	3	1	1	720801	0	6.75	6.50	25.00	0.90	2.20				3.10		8.00	
183	7	2	1	1	720105	0	6.45	4.00	17.00	1.20								
				2	720111	0	6.75	5.00	18.00	1.00								
				3	720118	0	6.20	2.00	18.00	1.00								
				4	720125	0	6.20	4.00	17.00	0.80								
				5	720201	0	6.45	4.00	17.00	0.80								
				6	720216	0	6.25	6.00	17.00	0.60								
				7	720223	0	5.80	1.00	18.00									
				8	720301	0	6.50	4.00	17.00									
				9	720308	0	6.20	3.00	20.00									
				10	720315	0	6.40	2.00	22.00	0.50								
				11	720322	0	6.30	5.00	20.00	0.60								
				12	720329	0	6.20	3.00	15.00	0.80								
				13	720405	0	6.50	4.00	15.00	0.40								
				14	720412	0	6.05	4.00	15.00	0.80								
				15	720419	0	6.60	4.00	14.00	0.60								
				16	720602	0	6.54	4.80	14.00	0.80								
				17	720615	0	6.61	4.00	17.00	1.00								
				18	720628	0	6.69	6.00	18.00	0.80								
				19	720712	0	6.70	5.00	19.00	0.70								
				20	720724	0	6.60	6.00	19.00	1.00								
				21	720810	0	6.70	7.00	25.00	1.40								
				22	720823	0	6.09	4.00	21.50	1.70								
				23	720920	0	6.44	5.00	22.00	0.90								
				24	721004	0	6.11	3.00	39.20	2.00								
				25	721018	0	6.41	7.00	25.00	0.90								
				26	721109	0	6.30	6.00	20.10	1.00								
				27	721123	0	6.37	4.00	16.00	0.80								
						0	6.39	4.33	19.10	0.92								
184	7	2	1	1	730501	0	5.80	3.00	19.00	0.60	1.90				2.50		3.66	
184	28	2	1	1	7607	0	6.60	6.10	32.50	1.01	2.90	0.70	1.90	0.07	3.20	4.60	7.40	
				2	8101	0	6.18		27.00	0.76					2.00	2.00		
						0	6.39	6.10	29.75	0.88	2.90	0.70	1.90	0.07	2.60	3.30	7.40	

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
186	7	3	1	1	730701	0	6.35	7.00	26.00	1.00	2.20				3.00			
				2	730801	0	6.52	4.00	25.00	1.00	1.80				3.50			
						0	6.43	5.50	25.50	1.00	2.00				3.25			
187	7	2	1	1	720105	0	6.30	4.00	20.00	1.00								
				2	720111	0	6.25	4.00	23.00	0.80								
				3	720118	0	6.00	4.00	17.00	0.80								
				4	720125	0	6.15	4.00	50.00	0.80								
				5	720201	0	5.85	2.00	23.00	1.00								
				6	720223	0	6.00	3.00	25.00									
				7	720301	0	6.20	4.00	22.00									
				8	720308	0	6.10	3.00	22.00									
				9	720315	0	6.00	3.00	25.00	0.50								
				10	720322	0	6.20	6.00	37.00	0.70								
				11	720329	0	5.90	7.00	15.00	0.40								
				12	720405	0	6.25	4.00	17.00	0.60								
				13	720412	0	6.10	2.00	17.00	0.80								
				14	720419	0	6.20	4.00	17.00	0.80								
				15	720602	0	6.40	5.60	19.00	1.40								
				16	720605	0	6.55	4.00	19.00	0.80								
				17	720626	0	6.60	7.00	21.50	1.00								
				18	720713	0	6.45	5.00	23.00	0.70								
				19	720724	0	6.30	5.00	28.00	1.10								
				20	720810	0	6.55	6.00	32.00	0.40								
				21	720824	0	5.41	1.00	26.00	1.10								
				22	720921	0	6.15	6.00	26.50	1.30								
				23	721004	0	5.91	8.00	26.90	1.40								
				24	721029	0	6.56	5.00	20.90	0.80								
				25	721110	0	6.15	6.00	22.50	1.00								
				26	721124	0	6.21	4.00	18.50	0.80								
						0	6.18	4.48	23.61	0.87								
188	6	2	1	1	721214	0	6.90	4.10	21.20		2.50		1.30		2.00	3.00		
				2	720103	0	6.30	6.00	22.80		2.80		1.40		2.30	2.20		
				3	720203	0	6.30	5.80	23.40		2.60	0.50	1.40		2.40	2.70		
				4	720303	0	6.40	5.10	24.80		2.20		1.40		2.40	2.30		
				5	720403	0	6.10	4.40	21.20		2.40	0.50	1.30		2.10	3.60		
				6	720503	0	6.30	5.60	20.70		2.20	0.45	1.20		1.70	2.40		
				7	720603	0	6.40	5.30	22.80		2.30	0.40	1.20		2.10	1.30		
				8	720703	0	6.60	5.10	27.20		2.50	0.43	1.40		1.60	3.50		
				9	720804	0	6.60	5.40	26.50		2.40	0.90	1.00		2.20	3.10		
				10	720905	0	6.90	5.80	22.30		2.50	0.40	1.30		2.00	2.40		
				11	721003	0	6.40	4.60	22.30		2.50	0.50	1.40		2.10	2.10		
				12	721031	0	5.90	5.00	18.90		2.20	0.50	1.30		2.10	1.60		
				13	721205	0	6.20	4.20	24.50		2.50	0.50	1.60		2.50	1.70		
				14	730102	0	6.00	6.30	24.50		2.50	0.50	1.60		2.10	2.60		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
188	6	2	1	15	730104	0	5.90	5.20	24.70		2.30	0.50	1.30		1.80	4.00		
				16	730306	0	6.50	4.70	27.50		2.40	0.45			2.20	2.30		
				17	730402	0	6.50	5.70	26.30		2.60	0.50	1.50		2.10	2.30		
				18	730502	0	6.40	5.00	20.40		2.00	0.40	1.10		1.70	1.50		
				19	730514	0	6.30	4.70	19.50		1.80	0.40	1.10		1.50	2.00		
				20	730605	0	5.20	5.20	21.90		2.30	0.40	1.40		1.60	2.00		
				21	730705	0	6.50	6.20	22.70		2.20	0.40	1.30		1.80	2.00		
				22	730813	0	6.60	5.90	23.60		2.40	0.50	1.50		1.90	5.00		
				23	730907	0	6.70	8.00	23.90		2.50	0.50	1.30		1.90	2.00		
				24	731015	0	7.30	5.60	24.20		2.60	0.50	1.30		1.90	3.00		
				25	731102	0	6.70	6.00	22.70		2.40	0.50	1.50		2.20	5.00		
				26	731203	0	6.10	6.20	23.00		2.40	0.50	1.30		2.20	5.00		
				27	740103	0	6.70	5.80	23.60		2.40	0.50	1.60		2.60	5.00		
				28	740214	0	6.50	5.00	23.70		2.50	0.50	1.50		2.10	2.00		
				29	740304	0	6.60	9.10	29.60		3.80	0.50	1.50		2.10	2.00		
				30	740408	0	6.50	7.40	22.30		2.50	0.50			2.20	2.00		
				31	740503	0	6.10	5.30	23.00		2.40	0.40	1.50		1.80	2.00		
				32	740506	0	6.90	4.00	20.10		2.30	0.50	1.20		2.00	5.00		
				33	740603	0	6.10	3.90	17.60		1.70	0.40	1.20		1.40	5.00		
				34	740904	0	6.40	5.40	21.50		2.40	0.50	1.60		1.90	3.00		
				35	741002	0	6.80	6.10	22.10		2.70	0.50	1.40		2.00	2.00		
				36	741022	0	6.30		22.20		2.80	0.50	1.40		2.20	2.00		
				37	741104	0	6.40	4.90	22.50		2.60	0.50	1.50		2.60	4.00		
				38	741217	0	6.50	7.90	17.70		1.90	0.40	1.20		1.80	2.00		
				39	750106	0	6.60	2.80	12.50		1.50	0.20	0.70		1.10	2.00		
				40	750303	0	6.80	6.20	26.20		2.90	0.57	1.60		2.20	2.00		
				41	750403	0	6.00	4.00	26.10		2.20	0.42	1.60		2.10	2.00		
				42	750512	0	7.70	4.60	21.70		1.90	0.40	1.20		1.90	2.00		
				43	750603	0	7.60	6.00	23.30		2.20	0.40	1.40		2.20	2.00		
				44	750702	0	6.20	4.60	23.40		2.30	0.50	1.60		2.20	2.00		
				45	750903	0	8.20	4.60	25.70		2.60	0.50	1.30		2.20	8.00		
				46	751002	0	6.40	7.50	31.00		2.80	0.60	1.70		2.20	3.00		
				47	751103	0	6.70	5.40	24.70		2.20	0.40	1.10		1.50	2.00		
				48	760304	0	7.20	3.50	10.00		0.80	0.20	0.40		1.20	1.40		
				49	760402	0	6.70	4.20	22.40		2.00	0.45	1.50		2.00	2.00		
				50	760604	0	5.90	3.60	23.00		2.30	0.45	1.40		2.20	2.60		
				51	760705	0	6.10	4.90	24.20		2.20	0.45	1.50		2.00	2.00		
				52	760814	0	6.60	5.40	28.00		2.50	0.50	1.50		2.20	2.90		
				53	761014	0	5.60	3.00	28.00		2.50	0.55	1.50		2.20	5.70		
				54	761114	0	6.50	4.30	24.00		2.20	0.50	1.40		2.50	2.20		
				55	770103	0	6.50	5.40		0.23	0.50	1.60	2.90		3.00			
				56	770207	0	6.60	6.00	24.40		2.50	0.45	1.30		2.50	3.00		
				57	770307	0	6.70	5.40	27.00		2.50	0.47	1.50		2.70	2.50		
				58	770404	0	6.20	5.10	23.00		2.00	0.42	1.30		2.00	2.30		
				59	770503	0	6.20	4.10	21.10		2.00	0.42	1.30		2.00	2.10		
				60	770606	0	5.70	3.70	23.20		2.20	0.45	1.40		2.10	2.70		

Table 1. (Cont'd.)

IDEN	SUBH AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
188	6	2	1	61	770704	0	6.90	5.90	28.00		3.20	0.62	1.40		2.20	2.00		
				62	770803	0	6.80	5.10	23.00		2.40	0.49	1.40		1.80	2.60		
				63	770901	0	6.60	1.30	31.00		2.50	0.45	1.30		1.70	2.50		
				64	771003	0	6.70	4.10	26.00		2.80	0.55	1.40		2.20	2.60		
				65	771103	0	6.80	3.60	23.30		2.25	0.50	1.50		2.30	2.50		
				66	771201	0	6.70	0.60	22.00		2.20	0.50	1.30		2.30	2.60		
				67	780106	0	6.70	3.50	23.00		2.30	0.40	1.40		1.90	2.50		
				68	780202	0	6.60	3.90	22.00		1.90	0.40	1.40		2.30	2.80		
				69	780313	0	5.60	0.50	30.10		2.30	0.45	1.90		1.90			
				70	780413	0	6.70	4.60	24.00		2.30	0.50	1.40		2.10	3.30		
				71	780513	0	6.50	4.90	23.00		2.00	0.43	1.50		2.50			
				72	780602	0	6.60	5.80	23.00		2.20	0.40	1.40		2.30	2.50		
				73	780706	0	6.60	3.70	25.00		2.40	0.40	1.70		2.00	2.50		
				74	780802	0	7.00	4.30	24.00		2.30	0.50	1.40		2.50	2.50		
				75	780905	0	6.60	4.40	25.00		2.20	0.45	1.50		2.40	3.00		
				76	781003	0	7.00	1.80	24.00		1.80	0.25	1.50		2.30	2.80		
				77	781103	0	7.10	6.80	26.00		2.10	0.40	1.70		3.10	3.00		
				78	781204	0	6.80	7.00	29.00		2.10	0.40	1.50		2.70	2.60		
				79	790201	0	6.20	2.30	22.00		1.50	0.40	1.40		1.95	2.50		
				80	790320	0	6.60	2.80	23.00		1.90	0.40	1.50		1.80	2.80		
				81	790510	0	6.40	3.80	28.00		2.10	0.35	1.40		2.05	4.10		
						0	6.52	4.89	23.58	0.23	2.29	0.47	1.41		2.09	2.75		
189	7	2	1	1	720601	0	6.54	3.00	18.00	2.00								
				2	720614	0	6.70	4.00	18.00	0.80								
				3	720628	0	6.65	4.00	22.00	0.80								
				4	720712	0	6.60	3.00	19.50	0.80								
				5	720725	0	6.70	8.00	19.00	1.00								
				6	720810	0	6.80	6.00	27.00	0.80								
				7	720824	0	5.89	2.00	19.00	0.90								
				8	720920	0	6.64	4.00	20.50	0.90								
				9	721004	0	5.83	14.00	22.30	0.90								
				10	721018	0	6.66	5.00	18.20	1.00								
				11	721109	0	6.35	3.00	16.00	0.80								
				12	721123	0	6.37	6.00	17.10	0.70								
						0	6.48	5.17	19.72	0.95								
190	7	2	1	1	720105	0	6.55	4.00	15.00	1.00								
				2	720111	0	4.20		65.00	1.00								
				3	720118	0	6.40	6.00	15.00	0.80								
				4	720125	0	6.40	6.00	16.00	0.80								
				5	720201	0	6.40	4.00	16.00	0.80								
				6	720216	0	6.35	4.00	19.00	0.80								
				7	720223	0	5.80		18.00									
				8	720301	0	6.70	5.00	17.00									
				9	720308	0	6.50	4.00	15.00									

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
190	7	2	1	10	720315	0	6.40	3.00	18.00	0.70								
				11	720322	0	6.50	6.00	18.00	0.90								
				12	720329	0	6.20	4.00	17.00	0.40								
				13	720405	0	6.60	4.00	15.00	0.80								
				14	720412	0	6.50	4.00	16.00	0.60								
				15	720419	0	6.20	4.00	14.00	0.80								
						0	6.25	4.46	19.60	0.78								
192	7	2	1	1	720601	0	6.50	4.40	16.00	2.00								
				2	720614	0	6.56	5.00	18.00	0.80								
				3	720628	0	7.13	22.00	73.00	2.40								
				4	720712	0	6.70	5.00	21.00	1.00								
				5	720725	0	9.90	94.00	20.00	1.00								
				6	720810	0	6.75	5.00	24.50	1.00								
				7	720824	0	6.01	4.00	19.00	1.60								
				8	720920	0	6.56	4.00	21.00	1.30								
				9	721004	0	6.58	4.00	21.80	0.90								
				10	721018	0	6.47	4.00	18.70	0.80								
				11	721109	0	6.35	3.00	16.80	0.90								
				12	721123	0	6.40	4.00	16.00	0.50								
						0	6.83	13.20	23.82	1.18								
194	7	2	1	1	720111	0	6.25	4.00	23.00	0.60								
				2	720118	0	5.45	2.00	22.00	0.80								
				3	720125	0	5.85	4.00	23.00	1.00								
				4	720201	0	6.25	4.00	18.00	0.80								
				5	720216	0	5.70	2.00	23.00	0.80								
				6	720223	0	4.00		42.00									
				7	720301	0	6.30	4.00	23.00									
				8	720308	0	6.10	3.00	20.00	0.80								
				9	720322	0	6.20	6.00	32.00	0.60								
				10	720329	0	6.15	4.00	25.00	0.80								
				11	720405	0	6.30	4.00	20.00	0.80								
				12	720412	0	6.00	4.00	20.00	1.00								
				13	720412	0	6.00	4.00	20.00	1.00								
				14	720419	0	6.25	4.00	24.00	0.80								
				15	720602	0	6.36	5.00	18.00	0.80								
				16	720615	0	6.41	6.00	24.00	0.60								
				17	720628	0	6.61	5.00	24.50	0.80								
				18	720712	0	6.40	5.00	24.50	2.00								
				19	720724	0	6.30	6.00	28.00	2.00								
				20	720810	0	6.90	26.00	90.00	1.80								
				21	720823	0	6.11	7.00	38.50	1.90								
				22	720920	0	6.27	15.00	46.50	2.20								
				23	721004	0	6.38	7.00	33.40	0.90								
				24	721018	0	6.22	6.00	24.80	0.90								

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
194	7	2	1	25	721109	0	6.10	4.00	22.30	1.00								
						0	6.11	5.88	28.38	1.07								
195	16	3	2	1	760830	0	7.43	3.50	74.90	1.86	4.56	0.08						55
196	16	5	3	1	780704	0	6.39	20.00	66.81	1.14	2.84	0.76						90
				2	790703	0	6.63	3.20	45.05	0.85	2.00	0.77						40
						0	6.51	11.60	55.93	0.99	2.42	0.76						65
197	7	5	1	1	730501	0	6.40	3.00	25.00	0.60	1.00					9.00	3.66	
198	7	4	1	1	720501	0	6.51	3.00	27.00	0.60	1.00				7.50		3.70	
199	10	3	2	1	660831	0	6.90	8.70	54.00	1.00	2.60	0.90	5.90		8.00	1.60		
200	6	4	2	1	710628	0	6.20	2.70	24.90		0.80	0.40	2.90		4.70	1.30		
201	6	4	2	1	710628	0	6.10	2.10	24.40		0.80	0.40	2.90		4.70	1.10		
202	6	4	2	1	710628	0	4.70	2.20	24.90		0.80	0.40	2.90		4.70	1.40		
203	7	6	2	1	760808	0	6.60	11.00	52.00	1.80	4.00				6.00			
				2	770902	0	6.50	6.00	166.40	2.00	2.60				7.00			
				3	770909	0	6.30	7.00	62.40	1.50	2.60				12.00			
				4	770921	0	6.30	7.00	72.80	1.40	2.10				7.00			
						0	6.42	7.75	88.40	1.67	2.82				8.00			
204	16	5	2	1	800204	0	7.14	8.60	60.64	1.69	4.58	1.24						50
205	7	6	1	1	721001	0	6.10	4.00	39.00	1.20	2.00				8.50		4.90	
206	7	4	2	1	740625	0	6.40	3.00	24.00	0.60						5.00		
				2	740710	0	6.80	4.80	26.00	0.62						2.00		
				3	740717	0	6.70	4.40	27.00	0.60						5.01		
				4	740730	0	6.60	4.80	29.00	0.50						5.00		
				5	740812	0	6.60	4.80	29.00	0.70								
				6	740827	0	6.60	5.80	27.00	0.70								
				7	740909	0	6.40	1.20	26.00	0.67								
				8	741002	0	6.20	1.80	24.00	0.53						2.00		
				9	741016	0	6.30	1.80	29.00	0.62						0.80		
				10	741105	0	6.50	4.60	24.00	0.57						2.80		
				11	741119	0	6.30	5.40	17.00	0.75						2.00		
				12	750206	0	6.20	2.00	19.00	0.60						1.94		
				13	750221	0	6.80	2.00	16.00	0.60								
				14	750319	0	6.30	3.20	22.00	0.70						2.11		
				15	750506	0	6.60	1.00	21.00	0.46						0.70		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
206	7	4	2	16	750520	0	6.30	1.80	20.00	0.50						2.20		
				17	750602	0	6.00	3.00	17.00	0.70						3.08		
				18	750616	0	6.30	0.60	21.00	0.71						2.01		
				19	750701	0	6.40	1.60	22.00	0.75						1.69		
						0	6.44	3.03	23.16	0.63						2.56		
207	10	1	2	1	730630	0	5.45		18.00								•	8
208	7	4	2	1	780309	0	5.70	2.00	27.70	0.90	0.60				7.50			
				2	780323	0	5.60	1.00	34.60	0.70	1.00				9.00			
				3	780406	0	5.60	2.00	27.00	1.00	0.50				8.00			
				4	780421	0	5.30	1.00	27.00	0.80	0.40				7.00			
				5	780508	0	5.90	2.00	30.20	0.60	1.00				7.50			
				6	780523	0	6.10	2.00	30.20	0.60	0.80				7.00			
				7	780531	0	6.10	2.00	31.20	0.60	0.70				7.50			
				8	780616	0	6.10	2.00	30.20	0.60	0.80				7.50			
				9	780630	0	6.30	3.00	46.40	1.20	0.80				9.50			
				10	780717	0	6.20	2.00	34.90	0.80	0.90				8.00			
				11	780728	0	6.30	4.00	39.90	0.80	1.00				7.00			
				12	780831	0	6.40	3.00	31.30	0.60	1.10				7.00			
				13	780814	0	6.40	2.00	30.20	0.60	1.10				5.50			
				14	780913	0	6.60	2.00	33.50	0.60	1.00				7.30			
				15	780929	0	6.30	2.00	32.40	0.60	1.00				7.30			
				16	781012	0	6.10	2.00	33.50	0.60	1.10				7.30			
				17	781030	0	6.30	2.00	32.40	0.60	1.00				7.00			
				18	781115	0	6.30	2.00	33.50	0.60	1.10				7.50			
				19	790122	0	6.20	2.00	32.00	0.60	0.90				6.50			
				20	790216	0	6.00	1.00	27.00	0.60	0.80				5.50			
				21	790228	0	6.10	1.50	37.00	0.65	0.80				9.00			
				22	800514	0	6.08	1.00	24.00	0.50	0.70	0.31			7.50	2.00		
				23	800612	0	6.03	1.00	25.30	0.50	0.70	0.32			9.50	2.00		
				24	800716	0	6.36	1.00	21.00	0.40	0.70	0.32			6.50	2.00		
				25	800812	0	6.42	2.00	21.00	0.50	0.70	0.33			8.00	2.00		
				26	800917	0	6.85	2.00	27.00	0.50	0.70				7.50			
				27	801014	0	5.90	1.50	24.00	0.30	0.60				6.50			
				28	801114	0	6.00	1.00	21.00	0.50	0.70				9.00			
				29	801218	0	5.98		24.00	0.40	0.50							
						0	6.12	1.86	29.98	0.63	0.82	0.32			7.50	2.00		
209	7	4	2	1	720401	0	6.12	1.80	30.00	0.74	1.50				5.10			
				2	750513	0	6.50	8.00	19.40	0.40	0.50				9.00	1.28		
				3	750529	0	6.20	3.00	24.70	0.50	0.60				5.00	1.71		
				4	750612	0	6.20	3.00	42.90	0.60	0.60				9.00	3.10		
				5	750701	0	6.10	2.00	22.10	0.80	0.80				5.50	2.10		
				6	750715	0	6.40	3.00	22.40	0.40	0.50				5.50	2.50		
				7	750730	0	7.20	2.00	23.03	0.20	1.00				4.00	0.90		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
209	7	4	2	8	750814	0	6.30	2.00	33.45	0.40	0.60				5.00	1.10		
				9	750829	0	6.00	2.00	24.38	0.50	0.50				6.50			
				10	750915	0	6.20	1.00	26.40	0.40	0.50				6.00			
				11	750930	0	6.10	1.00	25.83	0.60	1.00				5.00	2.14		
				12	751015	0	6.10	2.00	23.44	0.30	1.10				6.50	1.58		
				13	751030	0	6.00	2.00	26.22	0.40	0.90				6.00	2.61		
				14	751115	0	6.00	2.00	27.50	0.50	0.70				6.00	0.73		
				15	751130	0	6.00	1.00	24.42	0.50	0.60				5.50	2.20		
				16	751215	0	6.00	1.00	27.50	0.50	0.80				6.00	2.10		
				17	751230	0	6.00	1.00	28.60	0.50	0.60				6.00	1.05		
				18	760114	0	5.70	1.00	25.52	0.40	0.60				6.00	1.02		
				19	760216	0	5.80	1.00	24.36	0.60	0.50				5.50	0.43		
				20	760315	0	6.10	2.00	21.60	0.40	0.60				6.00	0.43		
				21	760421	0	5.70	1.00	47.60	0.40	1.00				10.00	1.30		
				22	760525	0	5.80	1.00	37.80	0.40	1.00				10.00	2.70		
				23	760616	0	5.70	1.00	40.80	0.40	1.30				10.50	3.15		
				24	760721	0	5.60	1.00	44.28	0.60	1.60				10.50	4.25		
				25	800514	0	5.98	1.00	20.50	0.45	0.60	0.31			6.00	2.00		
				26	800612	0	6.05	4.00	21.00	0.40	0.60	0.29			7.00	2.00		
				27	800716	0	6.53	2.00	33.00	0.70	1.00	0.34			10.00	2.00		
				28	800812	0	6.70	2.00	33.00	0.60	1.00	0.36			10.30	2.00		
				29	800912	0	6.35	2.00	27.00	0.50	0.70				7.50			
				30	801014	0	6.10	1.50	20.00	0.30	0.60				6.00			
				31	801114	0	6.30	2.00	34.00	0.60	0.80				11.50			
				32	801218	0	5.99		23.00	0.40	0.60							
						0	6.12	1.95	28.30	0.48	0.79	0.32			7.05	1.86		
210	7	6	1	1	721001	0	6.55	4.00	29.00	1.00	2.00				5.50		4.90	
211	7	4	1	1	730501	0	5.30	1.00	28.00	0.60	0.90				6.00			
212	7	2	2	1	720701	0	6.65	6.00	24.00	0.80	1.90				3.00		7.32	
213	16	1	2	1	790308	0				9.18	18.78	10.91						
214	7	4	2	1	730301	0	6.00	4.00	81.00	1.20	2.70				22.00		4.88	
215	16	5	2	1	771109	0	5.38	0.20	49.67	0.84	1.77	0.82						70
				2	790914	0	6.60	3.20	48.17	0.91	2.44	0.66						45
						0	5.99	1.70	48.92	0.87	2.10	0.74						58
216	6	5	1	1	711019	0	6.30	5.20	52.80		1.80	1.00	6.60		11.20	3.50		
217	7	4	2	1	720401	0	5.31	1.00	25.00	0.43	0.60				6.30			
218	7	4	2	1	730301	0	6.25	3.00	48.00	0.80	1.20				12.00		3.66	

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
219	7	5	1	1	730501	0	5.05		34.00	1.20	1.00				10.00			
221	7	4	1	1	730401	0	6.40	2.00	55.00	1.30	1.50				15.00		2.44	
222	16	3	2	1	711210	0	6.60	3.50	11.50	1.60	3.20	2.00			2.40	0.50		100
223	7	3	1	1	730701	0	6.50	4.00	37.00	0.60	0.90				7.00		4.88	
224	7	4	2	1	720701	0	6.45	4.00	87.00	1.60	1.80				21.00		4.90	
225	7	3	1	1	720801	0	6.20	3.50	17.00	0.55	1.00				5.00		4.30	
226	7	3	1	1	730701	0	6.45	8.00	111.00	1.60	2.80				25.50		9.76	
227	4	3	2	1	8011	0	6.00	2.70	23.00		1.80	0.54	1.40	0.30	2.40	2.60		70
228	7	3	1	1	720801	0	6.50	4.00	24.00	0.80	1.20				4.00		4.90	
229	6	3	1	1	720303	0	6.20	3.20	20.60		1.40	0.60	1.40		2.70	2.20		
				2	720325	0	5.80	2.70	20.70		1.40	0.60	1.70		2.80	3.40		
				3	720424	0	5.70	2.70	19.90		1.30	0.60	1.70		2.50	3.50		
				4	720529	0	5.90	3.40	24.80		1.10	0.60	1.80		2.60	2.30		
				5	720623	0	5.90	3.30	22.00		1.60	0.62	1.70		2.30	4.70		
				6	720723	0	6.20	3.90	21.10		1.70	0.70	1.50		2.30	2.90		
				7	720826	0	6.40	3.50	19.10		1.30	0.60	1.40		2.40	2.10		
				8	721123	0	6.30	3.70	20.60		1.20	0.60	1.70		2.60	1.30		
				9	721222	0	5.70	1.50	8.30		0.30	0.20	0.60		1.50	1.00		
				10	730126	0	6.00	3.20	20.80		1.40	0.60	1.60		2.50	1.30		
				11	730324	0	4.70	1.00	47.40		1.30	0.60	1.50		2.40	6.90		
				12	730501	0	5.90	3.20	22.30		1.40	0.60	1.30		2.40	1.50		
				13	730605	0	6.00	3.00	21.80		1.30	0.60	1.70		2.30	5.00		
				14	730701	0	5.60	2.70	22.60		1.30	0.60	1.70		1.60	5.00		
				15	730801	0	6.00	5.60	21.50		1.40	0.62	1.60		2.60	2.00		
				16	730924	0	7.20	6.60	26.50		2.70	0.70	1.40		2.60	2.00		
				17	731001	0	6.50	4.50	20.20		1.40	0.60	1.30		2.10	3.00		
				18	731126	0	5.70	4.20	19.90		1.40	0.60	1.50		2.70	2.00		
				19	731126	0	5.90	4.20	22.20		1.50	0.70	1.90		2.80	5.00		
				20	740124	0	5.80	2.90	21.60		1.40	0.70	1.60		2.60	6.00		
				21	740401	0	6.60	3.30	19.90		1.70	0.80	1.70		2.00			
				22	740505	0	5.90	1.30	19.70		1.10	0.60	1.70		2.40	4.00		
				23	740601	0	6.00	3.10	19.80		1.30	0.60	1.70		2.40	5.00		
				24	740703	0	6.10	4.20	21.00		1.50	0.60	1.80		2.40	2.00		
				25	740801	0	6.10	2.80	18.80		1.00	0.60	1.70		2.30	4.00		
				26	740901	0	6.20	3.70	17.40		1.20	0.60	1.60		2.20	2.00		
				27	740922	0	6.20	3.60	18.90		1.40	0.60	1.60		2.40	3.00		
				28	741101	0	6.20	4.50	23.90		1.90	0.70	2.00		3.10	2.00		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
229	6	3	1	29	750122	0	6.30		19.10		1.10	0.60	1.50		2.30	2.00		
				30	750225	0	6.50		22.70		1.10	0.65	1.80		2.50	2.00		
				31	750402	0	5.50	2.90	23.70		1.20	0.70	1.70		2.30	2.00		
				32	750526	0	6.50	2.80	25.20		1.20	0.57	1.50		2.40	2.00		
				33	750626	0	7.00	2.30	18.70		1.20	0.62	1.50		2.30	2.00		
				34	750725	0	5.50	3.30	19.40		1.20	0.63	1.60		2.40	2.00		
				35	751103	0	6.70	8.20	34.40		2.90	0.80	1.90		2.20	6.00		
				36	751123	0	6.00	2.00	19.70		1.30	0.60	1.60		2.30	1.80		
				37	760426	0	6.40	3.00	30.30		1.60	0.75	3.00		5.10	2.70		
				38	760624	0	5.80	4.40	22.90		1.50	0.67			2.80	2.80		
				39	760720	0	6.00	4.00	26.70		1.40	0.65			3.10	2.00		
				40	760814	0	6.40	2.90	24.00		1.20	0.65			2.50	1.60		
				41	760926	0	7.00	6.90	58.00		3.00	1.30			12.70	2.80		
				42	761129	0	5.80	3.00	28.00		1.40	0.70			4.70	2.40		
				43	770126	0	7.20	3.10	30.00		1.50	0.65			4.00	2.90		
				44	770226	0	5.60	1.30	26.00		1.40	0.65			3.10	2.90		
				45	770525	0	6.50	6.30	94.60		2.60	1.10			1.50	4.90		
				46	770622	0	5.61				1.26	0.61				4.40		
				47	770624	0	6.80	2.60	22.00		1.30	1.10			3.00	2.40		
				48	770728	0	7.00	2.00	56.00		1.20	1.61			2.80	2.50		
				49	770728	0	5.74											
				50	770829	0	6.60	3.80	27.00		1.45	0.80			5.40	2.10		
				51	770907	0	5.66				1.70	0.58						
				52	770916	0	6.50	2.00	28.00		1.64	0.70				2.50		
				53	771017	0	6.80	5.20	82.00		1.40	2.90			1.80	4.20		
				54	771114	0		14.10	66.20		1.10	1.10			1.40	3.40		
				55	771120	0	6.50	2.40	20.70		2.00	0.70			2.80	2.20		
				56	771227	0	6.50	5.80	102.00		3.00	1.20			24.00	3.20		
				57	780127	0	6.50	5.30	128.00		3.30	1.50			30.00	5.10		
				58	780226	0	6.30	2.00	19.00		1.10	0.50			2.40	2.00		
				59	780324	0	6.00	0.50	30.00		1.90	0.70				4.80		
				60	780414	0	6.60	5.30	347.00		8.00	0.30				8.50		
				61	780501	0	6.50	2.10	23.00		1.40	0.63				2.70		
				62	780602	0	6.50	2.30	25.00		1.30	0.63			3.20	2.50		
				63	780627	0	6.20	2.60	25.00		1.40	0.64			3.10	2.00		
				64	780802	0	6.10	2.90	17.00		0.90	0.40			2.20	2.50		
				65	780830	0	6.40	1.90	22.00		1.20	0.68			2.80	2.00		
				66	780915	0	6.40	4.40	23.00		1.00	0.58			3.30	15.50		
				67	781027	0	7.10	5.60	267.00		9.50	2.50			67.00	2.60		
				68	781128	0	5.90	2.30	27.00		1.10	0.53			4.00			
						0	6.20	3.60	38.21		1.70	0.75	1.64		4.67	3.23		
230	7	3	1	1	730701	0	6.60	2.00	29.00	0.70	1.20				5.00		2.44	
231	6	5	1	1	720102	0	6.00	4.70	49.10		2.40	0.60	5.60		9.30	3.40		
				2	720127	0	5.70	3.00	65.40		2.30	1.20	7.50		15.00	3.70		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
231	6	5	1	3	720305	0	4.80	1.00	145.00		3.00	2.30	19.00		35.00	9.80		
				4	720403	0	5.90	2.20	44.30		1.60	0.70	5.20		9.40	2.80		
				5	720503	0	6.10	2.60	38.80		1.50	0.60	7.60		8.60	2.50		
				6	720602	0	7.00	3.40	37.80		1.50	0.50	4.40			2.70		
				7	720702	0	5.90	2.80	46.60		1.90	0.70	5.40		9.70	4.80		
				8	720729	0	6.60	6.00	48.90		2.40	0.70	5.20		9.20	3.10		
				9	720901	0	6.30	4.50	46.80		2.70	0.90	5.50		9.50	5.90		
				10	720928	0	5.70	2.80	50.20		2.55	0.90	6.40		11.00	6.20		
				11	721029	0	5.80	4.10	36.40		1.90	0.70	4.60		7.90	3.50		
				12	721203	0	5.20	1.00	45.80		1.60	0.70	5.40		9.30	3.60		
				13	730101	0	5.00	1.00	79.30		1.90	1.20	9.20		18.00	4.30		
				14	730204	0	4.80	1.20	49.00		1.10	0.70	6.50		12.00	3.00		
				15	730303	0	6.10	1.50	49.50		1.20	0.64			9.90	4.00		
				16	730330	0	6.10	3.10	49.80		2.00	0.70	5.60		11.00	3.60		
				17	730501	0	6.40	2.90	38.00		1.70	0.60	4.00		7.30	2.30		
				18	730601	0	6.00	3.70	36.90		1.50	0.50	4.10		7.00	3.30		
				19	730702	0	5.70	3.10	36.60			0.60	4.10		6.80	5.00		
				20	730803	0	5.20	1.00	41.00		1.90	0.60	4.00		7.00	6.00		
				21	730903	0	6.40	4.40	36.20		1.60	0.70	4.20		6.20	5.00		
				22	731003	0	6.30	4.40	39.10		2.10	0.60	4.30		7.00	5.00		
				23	731105	0	5.70	3.70	34.90		1.70	0.60	4.00		6.50	6.00		
				24	731203	0	5.80	4.90	37.40		1.80	0.70	7.50		8.20	7.00		
				25	740104	0	6.00	4.10	45.20		2.20	0.80	5.30		9.50	3.00		
				26	740203	0	5.80	4.70	54.70		2.50	1.00	6.20		11.00	5.00		
				27	740305	0	5.90	3.60	68.70		2.60	1.20	7.90		17.50	2.00		
				28	740404	0	5.70	1.30	63.60		2.40	1.20	7.00		15.00	2.00		
				29	740504	0	5.90	1.00	40.40		1.60	0.70			9.10	5.00		
				30	740603	0	6.10	2.20	43.00		1.70	0.70	5.70		9.40	8.00		
				31	740704	0	5.80	3.30	44.00		1.90	0.70	6.00		9.20	4.00		
				32	740822	0	6.40	3.10	46.60		2.00	0.70	5.00		7.80	5.00		
				33	741006	0	6.50	3.00	31.20		1.70	0.60	4.10		6.00	5.00		
				34	741102	0	6.00	0.90	34.30		1.80	0.60	4.70		8.10	5.00		
				35	741217	0	5.80	9.50	33.60		1.50	0.60	4.80		7.90			
				36	750121	0	6.20	3.90	41.20		2.20	0.67	4.80		8.50	5.00		
				37	750204	0	6.70	6.20	51.00		2.80	0.80	5.40		9.50	5.00		
				38	750303	0	6.40	4.80	50.00		2.60	0.90	5.50		9.10	3.00		
				39	750403	0	6.30	1.90	42.20		1.40	0.70	4.70		8.40	4.00		
				40	750501	0	7.00	2.00	22.40		0.70	0.32	2.40		4.00	2.00		
				41	750602	0	7.00	1.90	30.90		1.40	0.40	3.50		6.50	4.00		
				42	750718	0	7.10	5.40	44.30		2.80	0.70	4.00		4.10	2.00		
				43	750808	0	6.30	5.00	37.60		1.90	0.63	4.80		6.10	2.00		
				44	750918	0	6.40	4.70	46.70		2.40	0.60	4.10		6.40	7.00		
				45	751006	0	6.30	3.00	39.20		2.00	0.70	3.70		5.20	7.20		
				46	751220	0	5.90	2.00	36.70		1.60	0.70	4.00		7.10	3.10		
				47	760204	0	6.20	2.20	45.20		1.30	0.70	4.70		8.90	3.00		
				48	760218	0	6.40	3.20	47.60		1.90	0.80	6.40		11.50	3.50		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
231	6	5	1	49	760320	0	6.00	2.60	44.10		2.00	1.00	5.40		9.40	6.00		
				50	760420	0	6.10	2.00	71.00		2.00	1.20	8.30		17.00	4.00		
				51	760506	0		1.60	62.00		2.10	0.87	9.00		16.00	5.00		
				52	760713	0	6.40	3.30	49.00		2.30	0.85	6.80		11.00	4.80		
				53	760816	0	6.30	4.40	56.00		2.40	0.90	6.20		10.00	3.80		
				54	760906	0	6.50	6.90	50.00		2.40	0.88	6.40		10.00	2.20		
				55	760921	0	6.60	6.10	59.00		2.50	0.86	6.50		10.00	3.20		
				56	761024	0	6.60	2.90	54.00		2.00	0.95	6.10		10.20	3.90		
				57	761125	0	5.70	1.50	62.00		2.50	1.10	7.00		14.00	4.30		
				58	770106	0	5.70	1.00	70.00		2.00	1.20	8.60		18.00	4.00		
				59	770205	0	6.30	2.90	97.80		2.50	1.60	12.00		20.00	5.00		
				60	770305	0	6.60	3.90	90.00		2.80	1.40	9.40		18.00	4.60		
				61	770405	0	6.10	2.80	62.90		2.00	1.60	7.20		15.00	3.30		
				62	770507	0	6.40	2.70	49.90		1.80	0.72	5.90		11.00	3.00		
				63	770507	0	5.50	2.30										
				64	770609	0	6.60	3.60	52.30		2.10	0.77	6.50		12.00	3.10		
				65	770707	0	6.45		48.70		2.10	0.75	6.00		10.00	3.70		
				66	770714	0	6.70				2.05	0.53						
				67	770809	0	6.40	1.40	53.00		2.20	0.75	5.90		10.00	3.40		
				68	770810	0	6.10				2.29	0.77						
				69	770919	0	6.50				2.75	0.85						
				70	771031	0	6.60	2.00	45.00		2.40	0.80	5.70		9.30	3.50		
				71	771115	0	5.90	4.60	52.80		2.45	1.00	6.30		11.50	3.50		
				72	771217	0	5.90	1.20	59.00		2.20	0.50	7.00		14.00	3.90		
				73	780203	0	6.20	0.50	44.00		1.30	0.70	5.10		9.50	3.00		
				74	780217	0	6.60	2.80	46.00		1.80	0.91	5.60		10.00	2.90		
				75	780317	0	6.40	4.30	67.90		3.00	0.80	8.00			3.20		
				76	780401	0	6.50	0.50	48.00		1.40	0.70	5.90			3.00		
				77	780417	0	6.20	1.70	50.00		1.90	0.55	5.70			3.30		
				78	780502	0	6.60	4.70	38.00		1.40	0.45	4.70					
				79	780516	0	6.40	1.50	34.00		1.30	0.52	4.10			2.50		
				80	780602	0	6.40	4.60	40.00		1.50	0.48	4.50			2.30		
				81	780705	0	6.60	3.10	37.00		1.60	0.70	4.40		6.00	3.50		
				82	780805	0	6.60	4.90	44.00		2.00	0.70	5.20		7.00	3.20		
				83	780920	0	6.60	3.20	39.00		2.00	0.60	4.50		6.60	3.80		
				84	781122	0	6.70	0.50	43.00		1.80	0.32	4.70			3.50		
				84	781225	0	6.00	2.60	53.00		1.50	0.65	6.20		10.50	4.30		
				85	790118	0	6.40	2.60	49.00		1.40	0.78	5.80		10.00	3.90		
				86	790203	0	6.10	3.40	42.00		1.50	0.65	4.80		9.20	2.70		
						0	6.17	3.09	49.23		1.98	0.78	5.87		10.29	4.01		
232	7	3	1	1	730701	0	6.80	4.00	24.00	0.70	1.50				4.50		4.88	
233	7	3	2	1	730701	0	5.73	2.00	25.00	0.80	1.80				4.00			
234	7	6	1	1	800920	0	7.05	29.00	270.00	5.60	14.10				70.00			

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
235	16	5	3	1	790703	0	7.28	10.60	36.35	0.55	1.20	0.54						35
				2	771108	0	6.00	1.80	45.88	0.79	1.87	0.73						30
				3	750527	0	5.76	1.00	27.38	0.40	0.96	0.34						25
						0	6.35	4.47	36.54	0.58	1.34	0.54						30
236	4	6	2	1	8011	0	6.70	13.10	54.00		6.00	1.00	2.70	0.10	5.20	2.80		55
237	4	2	2	1	8011	0	6.60	7.40	22.00		2.20	0.38	1.20	0.10	1.70	1.80		20
238	4	2	2	1	8011	0	6.50	2.70	2.00		1.40	0.44	1.50	0.10	2.70	2.10		45
239	7	5	2	1	740619	0	6.40	5.00	28.00	0.70						5.50		
				2	740704	0	6.30	5.00	29.00	0.80						5.50		
				3	740717	0	6.60	7.40	31.00	0.88						3.00		
				4	740730	0	6.00	7.80	30.00	0.84						3.00		
				5	740812	0	6.20	7.60	31.00	0.90						3.00		
				6	740827	0	6.20	8.40	28.00	1.02								
				7	740911	0	6.90	7.20	32.00	1.05						1.60		
				8	741001	0	6.70	4.80	26.00	0.85								
				9	741016	0	6.10	2.20	20.00	0.60						1.20		
				10	741105	0	6.20	2.60		0.60						1.20		
				11	741119	0	6.50	3.00	19.00	0.85						1.40		
				12	740123	0	6.10		21.00	0.52						1.20		
				13	740206	0	6.90	7.00	15.00	1.10						1.50		
				14	740221	0	6.80	7.40	27.00	1.18								
				15	740312	0	6.30	8.60	38.00	1.50						2.64		
				16	740326	0	6.10	1.00	19.00	0.80						1.14		
				17	740506	0	6.30	1.00	20.00	0.52						0.88		
				18	740521	0	6.40	2.20	20.00	0.57						2.20		
				19	740602	0	6.40	2.80	18.00	0.72						2.16		
				20	740619	0	6.20	3.20	21.00	0.86						1.77		
				21	740701	0	6.40	4.60	30.00	1.23						2.69		
				22	750513	0	6.60	12.00	21.60	0.50	1.00				5.00	0.51		
				23	750529	0	6.50	4.00	27.90	0.60	1.30				4.00	1.54		
				24	750611	0	6.80	3.00	31.30	0.80	1.60				6.00	3.40		
				25	750630	0	6.80	4.00	36.70	0.70	2.30				6.50	3.20		
				26	750715	0	6.90	8.00	37.20	0.80	2.20				7.00	2.30		
				27	750730	0	6.80	8.00	40.30	1.00	2.20				7.00	3.20		
				28	750808	0	6.90	6.00	43.60	1.00	2.00				7.50	3.90		
				29	750829	0	6.80	11.00	63.00	1.50	3.30				9.00	4.60		
				30	750915	0	6.90	8.00	44.00	1.20	2.50				7.50	7.28		
				31	750930	0	6.90	9.00	45.10	1.20	2.80				7.50	5.88		
				32	751015	0	6.50	5.00	33.10	1.20	0.90				5.50	4.18		
				33	751030	0	6.50	5.00	30.80	0.90	1.80				5.50	4.18		
				34	751113	0	6.50	3.80	29.90	0.80	1.70				5.00			
				35	751127	0	6.40	3.00	37.70	0.80	1.60				7.50	0.73		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
239	7	5	2	36	751215	0	6.10	2.00	30.50	0.90	1.50				9.50	1.58		
				37	751230	0	5.90	2.00	41.80	0.80	1.30				9.50	1.05		
				38	760115	0	5.60	1.00	25.52	0.60	0.60				6.00	0.51		
				39	760315	0	6.00	3.00	84.24		2.90				22.00	0.43		
				40	760421	0	6.30	3.00	72.80	1.00	3.00				15.00	4.01		
				41	760525	0	6.50	3.00	48.60	0.80	2.40				11.00	3.15		
				42	760616	0	6.30	5.00	42.84	0.80	2.40				9.50	1.35		
				43	760721	0	6.80	16.00	50.76	1.00	3.00				10.00	6.14		
						0	6.45	5.32	33.86	0.88	2.01				8.32	2.68		
240	7	4	1	1	730501	0	6.15	3.00	42.00	0.70	1.50				9.00		3.66	
241	7	4	1	1	800530	0	5.75	1.00	44.00	0.60	0.60							
				2	800822	0	5.44	1.00	26.00	0.60	1.00							
				3	801020	0	5.57	1.00	35.00	0.70	0.60							
						0	5.59	1.00	35.00	0.63	0.73							
242	16	1	3	1	771222	0	6.40	40.10	76.98	4.75	16.00	1.67						195
				2	770424	0	6.85	23.60		4.40	12.03	2.54						
				3	771123	0	7.00			0.30								110
						0	6.75	31.85	76.98	3.15	14.01	2.10						153
243	7	4	2	1	720901	0	6.23	3.50	40.00	0.87	1.40				10.70		4.30	
244	7	5	1	1	730501	0	6.85	6.00	37.00	0.80	1.50				9.50		7.32	
245	6	5	1	1	711019	0	6.00	2.80	41.10		1.30		5.80		9.20	2.60		
246	16	5	3	1	780124	0	4.92	0.20	63.37	0.85	2.45	0.79						25
				2	790914	0	6.85	4.60	55.41	1.27	3.26	0.85						45
						0	5.88	2.40	59.39	1.06	2.85	0.82						35
247	7	5	1	1	721001	0	4.70		26.00	0.60	0.80				7.00			
248	7	5	1	1	730501	0	5.95	2.00	25.00	0.70	1.00				7.00		2.44	
249	7	6	1	1	721001	0	5.90	3.00	37.00	1.20	1.20				9.00		3.70	
250	55	6	1	1	790319	0	6.30	3.80	48.10	1.15	3.47	0.67	3.08		14.00	4.00		40
251	16	3	2	1	750225	0	6.32	4.20	69.05	1.27	1.18	2.30						20
				2	800908	0	6.23	5.50	46.00	2.22	1.89	1.01						20
						0	6.27	4.85	57.52	1.74	1.53	1.65						20
252	7	6	1	1	721001	0	7.90	64.00	120.00	6.80	10.30				6.50		78.00	

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
253	6	6	1	1	720207	0	6.70	11.00	38.00		4.00	0.80	2.00		3.20	2.60		
				2	720306	0	6.80	9.10	36.30		3.80	0.80	1.80		3.00	3.20		
				3	720406	0	6.70	8.90	32.70		3.70	0.72	2.00		2.90	2.40		
				4	720425	0	6.10	12.90	49.20		4.90	1.40	3.40		5.70	5.30		
				5	720503	0	7.00	16.10	35.00		3.70	0.80	2.10		3.10	1.10		
				6	720606	0	6.50	9.90	35.90		3.60	0.70	2.10		3.00	2.90		
				7	720706	0	7.10	10.30	75.30		4.00	0.97	2.20		2.70	3.50		
				8	720714	0	6.10	3.00	20.10		1.10	0.30	2.00		2.80	1.60		
				9	720807	0	7.10	9.00	39.60		3.60	0.75			2.80	4.20		
				10	720927	0	6.50	7.10	28.80		2.80	0.70	2.10		2.80	3.00		
				11	721010	0	6.50	10.20	35.20		3.70	0.70	1.90		2.90	2.20		
				12	721120	0	7.80	9.90	36.30		3.50	0.70	2.30		2.90	2.90		
				13	730116	0	6.10	8.40	36.80		3.40	0.70	2.10		3.10	4.10		
				14	730214	0	6.60	10.20	34.30		3.60	0.80	2.10		2.90	3.20		
				15	730313	0	6.60	7.40	37.10		3.00	0.65			2.80	2.00		
				16	730411	0	6.30	9.80	35.30		3.40	0.70	1.90		2.00	2.30		
				17	730612	0	6.80	9.20	34.20		3.40	0.70	2.10		3.20	3.00		
				18	730808	0	6.70	11.00	35.70		3.70	0.80	1.90		2.50	2.00		
				19	730906	0	7.20	10.70	34.90		3.60	0.80	1.90		2.60	3.00		
				20	731004	0	7.20	8.60	38.40		3.90	0.80	2.00		2.80	3.00		
				21	731107	0	6.90	10.70	36.40		3.80	0.80	2.10		3.10	2.00		
				22	731211	0	6.70	9.40	28.30		3.30	0.70	1.70		2.30	3.00		
				23	740210	0	7.80	58.40	152.00		23.00	4.20	4.60		6.70	5.00		
				24	740303	0	7.40	52.50	128.00		20.00	3.10	3.50		6.50	3.00		
				25	740409	0	6.90	9.30	32.50		3.90	0.80			2.90	2.00		
				26	740513	0	7.10	8.10	34.20		3.50	0.70	1.90		3.20	5.00		
				27	740712	0	7.10	9.10	34.00		2.80	0.70	2.20		3.10	2.00		
				28	740805	0	6.20	9.80	33.40		3.80	0.69	2.00		2.80	2.00		
				29	740910	0	6.00	10.70	39.10		3.60	0.80	2.20		2.80	5.00		
				30	741008	0	6.50	9.80	34.40		4.30	0.75	1.70		3.00	2.00		
				31	741112	0	6.50	9.50	33.00		3.90	0.55	2.00		3.90	2.00		
				32	741217	0	6.70	12.30	32.20		3.60	0.80	1.70		3.00	2.00		
				33	750120	0	6.90	5.30	33.60		3.90	0.70	1.80		2.70	8.00		
				34	750214	0	6.90	11.40	34.60		3.70	0.80	2.20		3.00			
				35	750311	0	7.10	10.80	36.20		3.50	0.85	2.20		2.90	2.00		
				36	750409	0	6.40	9.30	37.30		4.00	0.70	2.20		2.90	2.00		
				37	750516	0	6.60	9.30	36.40		3.30	0.75	2.10		3.10	2.00		
				38	750611	0	7.10	12.70	33.10		3.80	1.00	1.70		2.90	2.00		
				39	760109	0	7.10	9.10	34.10		4.20	0.50	1.80		2.70	2.20		
				40	760309	0	7.10	2.30	23.70		3.50	0.40	1.10		1.70	2.00		
				41	760514	0	7.40	10.60	33.50		3.60	0.67	1.80		2.90	2.10		
				42	760630	0	6.10	10.00	32.10		3.40	0.75	2.00		3.20	2.40		
				43	760803	0	6.80	10.40	35.20		3.50	0.75	2.00		2.60	2.40		
				44	760811	0	6.90	8.70	37.00		3.60	0.75	1.90		3.00	2.20		
				45	761122	0	6.70	7.70	42.00		3.60	1.00	2.70		4.80	5.10		
				46	740105	0	7.30	9.70	36.00		3.70	0.75	1.90		3.20	3.00		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
253	6	6	1	47	770301	0	7.40	11.30	32.00		3.60	0.75	2.00		3.00	2.50		
				48	770422	0	6.80	8.40	34.30		3.70	0.75	2.00		3.20	2.50		
				49	770819	0	7.30	8.40	43.00		3.40	0.77	2.00		2.90	2.70		
				50	771027	0	7.60	8.30	35.00		3.70	0.75	1.90		3.10	2.50		
				51	771121	0	7.20	9.80	32.00		3.00	0.80	2.00		3.10	2.40		
				52	780131	0	7.10	10.30	41.80		4.20	0.90	2.30		3.40	2.60		
				53	780217	0	7.00	10.30	37.00		4.60	0.70	2.00		3.10	2.80		
				54	780411	0	7.30	9.30	35.00		3.60	0.80	2.00			2.50		
				55	780612	0	7.00	8.80	36.00		3.50	0.73	2.10		3.10	2.50		
				56	780818	0	7.20	7.20	35.00		3.50	0.80	1.80		3.30	2.50		
				57	780918	0	6.90	4.50	38.00		3.80	0.72	2.00		2.80	4.50		
						0	6.87	10.99	39.48		4.24	0.85	2.09		3.14	2.86		
254	16	5	1	1	771107	0	5.99	2.80	38.54	0.82	2.31	0.53						75
255	7	4	2	1	720501	0	5.68	1.00	28.00	0.60	1.10				7.80			
256	4	5	1	1	8011	0	5.10	-0.05		1.60	0.57	0.20	1.20	0.10	1.90	2.00		35
256	7	5	1	1	721001	0	5.02		17.00	0.80	0.50				4.00			
257	20	5	1	1	800816	0	4.93	1.00	20.00	0.33	0.92	0.26						
				2	801030	0	5.69	1.00	20.00	0.34	1.07	0.18			6.00			
						0	5.31	1.00	20.00	0.33	0.99	0.22			6.00			
258	20	5	1	1	800816	0	4.95	1.00	20.00	0.35	0.98	0.27						
				2	801030	0	5.78	1.00	20.00	2.63	6.83	2.25			6.00			
						0	5.36	1.00	20.00	1.49	3.90	1.26			6.00			
259	20	5	1	1	800816	0	4.98	1.00	20.00	0.34	0.95	0.27			6.00			
				2	801030	0	5.80	1.00	20.00	0.36	1.00	0.29			6.00			
						0	5.39	1.00	20.00	0.35	0.97	0.28			6.00			
261	16	5	2	1	800825	0	5.11	4.00	36.54	0.52	0.87	0.58						80
262	7	2	3	1	720801	0	6.06		10.00	0.35	1.00				2.00			
263	7	2	1	1	730901	0	5.52	2.00	12.00	0.60	0.60				2.00			
264	7	4	2	1	750513	0	6.90	2.00	41.00	1.00	2.30				8.00	3.42		
				2	750529	0	6.80	4.00	50.50	0.90	2.60				8.00	3.84		
				3	750611	0	7.00	6.00	44.30	1.30	2.60				8.00	4.80		
				4	750630	0	6.90	6.00	46.40	1.00	2.60				8.00	8.30		
				5	750714	0	6.90	7.00	46.06	1.10	2.90				8.50	3.40		
				6	750730	0	7.00	6.00	44.80	1.10	2.80				9.00	2.00		
				7	750813	0	7.00	6.00	47.50	1.10	2.70				8.00	3.80		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
264	7	4	2	8	750828	0	6.80	7.00	47.70	1.10	2.30				9.00	3.70		
				9	750915	0	6.90	8.00	48.40	1.20	2.50				9.00	3.21		
				10	750930	0	6.90	8.00	48.40	1.10	2.80				9.00	4.28		
				11	751015	0	7.00	8.00	47.30	1.10	3.10				9.50	4.70		
				12	751030	0	6.90	8.00	47.80	1.70	2.80				9.00	3.66		
				13	751112	0	6.90	7.00	47.30	1.10	3.10				8.50	0.73		
				14	751121	0	6.90	7.00	48.80	1.10	2.30				8.00	0.73		
				15	751215	0	6.90	9.00	59.90	1.20	3.30				11.00	1.05		
				16	751230	0	6.60	7.00	59.40	1.40	3.00				11.00	0.53		
				17	760115	0	6.60	7.00	61.48	1.30	2.30				13.50	0.51		
				18	760217	0	6.50	6.00	76.06	1.70	3.00				18.00	1.29		
				19	760315	0	6.50	7.00	73.44	1.60	3.30				17.00	0.86		
				20	760421	0	6.40	5.00	145.60	1.60	5.30				30.00	2.30		
				21	760525	0	6.40	5.00	103.68	1.00	5.00				27.50	5.40		
				22	760616	0	6.50	5.00	100.98	1.20	4.80				25.00	3.60		
				23	760721	0	6.30	5.00	99.36	1.40	4.70				29.00	7.08		
						0	6.76	6.35	62.44	1.23	3.13				13.11	3.18		
265	4	3	2	1	8011	0	5.60	1.11	16.00		1.00	0.44	1.20	0.10	1.80	2.50		60
266	7	4	2	1	720601	0	5.95	1.00		0.75	1.00				9.80		1.20	
267	7	3	1	1	730601	0	6.30	1.00	17.00	0.70	1.50				2.00			
268	7	4	1	1	720901	0	6.00	4.50	51.00	1.35	2.40				10.80		5.50	
269	6	5	1	1	720118	0	5.70	2.90	21.80		1.30	0.40	2.50		4.00	1.80		
				2	720720	0	6.40	3.50	19.40		1.30	0.30	2.00		2.60	2.70		
				3	741002	0	5.20	0.50	20.60		1.30	0.40	1.60		2.40	5.00		
				4	750611	0	6.00	1.10	12.00		0.30	0.17	1.10		1.90	4.00		
				5	750625	0	6.80	4.80	37.10		1.50	0.35	2.10		2.80	2.00		
				6	750715	0	6.10	3.50	22.60		1.40		2.10		2.50	2.00		
				7	760129	0	5.20	1.70	21.60		0.60	0.30	1.70		3.40	2.40		
				8	760319	0	5.90	1.30	38.30		1.60	0.70	4.60		8.00	4.00		
				9	760601	0	5.60	2.80	19.00		1.10	0.30	2.00		3.20	1.90		
				10	760812	0	5.30	2.60	27.00		1.30	0.30	2.40		3.50	2.00		
				11	760904	0	6.50	4.10	27.00		1.80	0.50	2.40		3.40	2.00		
				12	761020	0	5.70	2.10	20.00		1.10	0.32	2.00		3.30	2.40		
				13	770101	0	6.60	5.60	47.00		4.00	1.00	3.30		7.50	5.00		
				14	770125	0	6.40	1.70	28.50		1.10	0.50	2.80		5.20	2.70		
				15	770516	0	5.50	0.50	14.00		0.70	0.20	1.10		1.90	2.00		
				16	770916	0	5.80	1.30	19.00		1.20	0.30	1.60		2.30	3.30		
				17	780706	0	6.10	1.20	15.00		0.90	0.20	1.40		2.00	2.20		
				18	780822	0	6.70	3.70	25.00		1.70	0.40	2.40		3.50	2.00		
				19	780925	0	5.30	5.90	17.00		0.50	0.26	1.70		3.80	3.30		
						0	5.94	2.67	23.78		1.30	0.38	2.15		3.54	2.77		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	MAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
270	4	5	1	1	8011	0	5.30	0.17		1.60	0.73	0.23	1.30	0.10	2.10	2.30		50
271	7	4	1	1	720801	0	6.78	3.50	36.00	0.65	1.05				7.80		4.30	
272	4	3	2	1	8011	0	6.40	3.30	21.00		1.60	0.43	1.60	0.20	2.40	2.30		50
273	7	4	2	1	720101	0	6.02	2.00	27.00	0.55	8.00				6.00		2.40	
274	7	4	2	1	730501	0	6.20	2.00	48.00	0.90	1.20				14.00		2.44	
275	7	4	2	1	720501	0	6.10	2.00	29.00	0.70	0.90				8.50			
276	13	3	2	1	780309	0	6.67	4.00	191.60	3.67	9.68	3.06			38.30			351
277	7	4	1	1	730501	0	5.60	1.00	39.00	0.60	0.50				10.50			
278	7	4	1	1	720601	0	6.20	1.00	29.00	0.60	1.10				7.50		1.20	
279	6	1	1	1	710625	0	6.60	25.70	59.30		12.10							
280	16	3	2	1	800530	0	5.00	1.40	386.93	0.60	1.48	0.58						60
				2	750310	0	6.03	3.00		0.73	1.63	0.69						100
				3	750701	0	5.92	1.00	27.12	0.65	1.57	0.51						40
						0	5.65	1.80	207.02	0.66	1.56	0.59						67
281	7	2	1	1	7408	0	6.50	8.00	24.00	1.10					2.00			
282	16	3	1	1	800318	0	5.75	1.30	32.65	0.77	1.74	0.76						50
283	7	4	1	1	720501	0	6.06	2.00	30.00	0.80	1.00				9.00			
284	7	4	1	1	730501	0	5.50	1.00	27.00	0.60	0.80				6.00			
285	6	6	1	1	720101	0	7.40	61.30	136.00		19.50	3.70	3.40		4.70	3.40		
				2	720204	0	7.70	64.70	148.00		20.00	5.00	4.60		7.60	4.30		
				3	720301	0	7.70	72.60	146.00		21.00	4.50	4.50		7.00	4.60		
				4	720402	0	7.40	59.30	126.00		24.00	3.80	3.60		6.20	3.50		
				5	720601	0	7.40	56.60	126.00		21.00	3.00	3.90		7.00	2.20		
				6	720703	0	7.30	52.60	113.00			2.90	3.90		5.00	2.70		
				7	720801	0	7.80	63.60	150.00		21.00	3.50	3.60		4.90	3.90		
				8	721001	0	8.10	80.00	191.00		26.00	5.00	3.70		5.40	3.70		
				9	721001	0	6.70	74.30	149.00		24.00	4.40	5.50		8.10	3.70		
				10	721105	0	7.70	66.90	149.00		22.00	3.40	3.20		4.70	4.40		
				11	721204	0	7.30	39.70	136.00		13.30	2.00	9.50		14.00	5.70		
				12	730102	0	7.10	41.00	137.00			3.30	6.80		10.00	5.90		
				13	730201	0	7.90	45.00	109.00		16.20	2.90	3.00		5.10	3.70		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
285	6	6	1	14	730301	0	7.20	71.20	172.00		22.50	4.50			7.30	7.00		
				15	730430	0	7.30	72.80	169.00		24.00	4.30	4.00		7.00	3.00		
				16	730501	0	7.50	45.70	119.00		16.00	2.80	3.30		5.90	2.30		
				17	730601	0	7.30	58.10	141.00		19.20	3.30	3.40		5.90	5.00		
				18	730716	0	7.90	62.20	141.00		21.00	3.40	3.30		5.60	5.00		
				19	730916	0	7.60	78.50	173.00		23.80	4.40	3.40		5.80	5.00		
				20	731010	0	8.20	73.50	172.00		24.50	4.30	4.50		5.70	5.00		
				21	731107	0	7.60	70.00	159.00		24.00	5.00	3.60		5.80	5.00		
				22	731205	0	7.70	69.20	167.00		22.00	3.80	7.80		11.00	5.00		
				23	740113	0	8.30	44.50	120.00		18.50	3.20	2.80		4.30	6.00		
				24	740401	0	7.20	60.90	149.00		22.00	4.30	4.30		6.90	5.00		
				25	740601	0	7.50	52.40	118.00		16.00	2.90	2.90		5.20	2.00		
				26	740615	0	7.50	59.00	134.00		20.00	3.40	3.40		5.80	2.00		
				27	740811	0	7.00	78.00	149.00		27.00	4.60	3.60		5.80	5.00		
				28	740908	0	7.00	79.00	161.00		27.00	4.70	3.80		5.70	5.00		
				29	741024	0	8.00	68.00	142.00		22.50	3.90	3.40		5.50	2.00		
				30	741129	0	8.00	56.80	146.00		16.00	4.00	3.50		5.60	5.00		
				31	750428	0	7.90	47.60	118.00		14.00	2.90	2.80		4.80	4.00		
				32	750515	0	6.50	57.20	145.00		19.50	3.40	2.60		4.70	2.00		
				33	750630	0	8.10	73.50	157.00		26.50	4.60	3.80		5.80	4.00		
				34	750723	0	7.50	83.80	184.00		26.00		4.05		5.90	5.00		
				35	750828	0	7.50	66.80	140.00		23.30	4.20	3.10		4.90	5.00		
				36	750930	0	7.80	69.30	156.00		23.00	4.20	3.60		4.80	17.00		
				37	751130	0	7.50	64.50	149.00		22.50	3.80	3.30		5.80	14.00		
				38	760201	0	7.50	53.20	135.00		18.00	3.20	3.20		5.80	8.80		
				39	760811	0	8.00	72.20	155.00		20.00	5.00			6.00	4.00		
				40	760920	0	8.00	79.10	153.00		24.50	5.00			6.00	3.70		
				41	761017	0	7.80	61.40			21.50	4.00			5.90	3.80		
				42	761119	0	7.80	50.60			19.00	3.00			7.10	3.20		
				43	770101	0	8.00	57.90			17.50	3.60			7.30	4.10		
				44	770206	0	7.80	59.60			20.00	3.80			6.90	4.30		
				45	770305	0	7.80	117.00	330.00		42.50	8.50			27.00	10.00		
				46	770403	0	7.70	44.20	117.00		17.00	2.70			8.20	4.00		
				47	770501	0	7.70	55.50	136.00		21.20	3.20			7.00	3.90		
				48	770605	0	7.90	50.60	125.00		18.00	2.50			5.30	3.50		
				49	770703	0	8.20	63.00	155.00		22.50	4.00			6.80	5.20		
				50	770808	0	8.00	63.20	140.00		22.00	3.60			6.20	3.40		
				51	771021	0	7.80	46.60	116.00		17.00	2.90			5.60	3.30		
				52	771203	0	8.10	63.80	151.00		21.00	3.70			6.80	3.50		
				53	780204	0	7.90	61.70	149.00		21.00	3.00			6.70	3.40		
				54	780416	0	8.10	62.00	152.00		22.00	3.80				2.90		
				55	790516	0	8.00	49.00	129.00		8.00	2.90						
						0	7.66	62.74	147.84		21.16	3.81	3.96		6.71	4.67		
286	7	3	2	1	750513	0	6.50	10.00	22.70	0.60	0.60				4.00	2.06		
				2	750529	0	6.40	3.00	190.50	2.10	4.70				48.50	3.59		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	MAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
286	7	3	2	3	750611	0	6.60	3.00	183.60	1.40	3.70				30.00	2.80		
				4	750630	0	6.50	3.00	28.10	0.50	1.30				5.50	3.10		
				5	750715	0	6.70	4.00	24.50	0.70	1.10				5.00	1.80		
				6	750730	0	6.70	3.00	25.80	0.70	1.10				5.00	2.00		
				7	750813	0	6.70	3.00	27.80	0.60	1.20				5.20	1.60		
				8	750829	0	6.70	4.00	30.70	0.70	1.10				8.00	2.90		
				9	750915	0	6.60	3.00	39.10	0.80	1.30				7.50	1.07		
				10	750930	0	6.60	3.00	36.30	0.90	1.40				7.50	1.60		
				11	751015	0	6.20	2.00	30.20	0.70	1.50				5.00	1.57		
				12	751030	0	6.20	2.00	30.80	0.80	1.10				7.00	1.05		
				13	751112	0	6.50	3.00	32.20	0.90	1.40				6.50	2.20		
				14	751127	0	6.10	2.00	29.90	0.70	1.00				6.00	0.01		
				15	751215	0	5.80	1.00	27.50	0.60	1.00				5.50	0.53		
				16	751230	0	5.60	1.00	80.80	0.70	1.00				6.00	0.53		
				17	760115	0	5.90	1.00	39.44	0.70	1.10				10.00	0.51		
				18	760217	0	5.90	1.00	39.44	1.60	1.00				13.00	0.43		
				19	760315	0	5.90	2.00	39.96	0.50	1.00				10.00	0.43		
				20	760421	0	6.00	3.00	78.40	0.60	1.60				17.00	1.30		
				21	760525	0	6.00	2.00	45.36	0.60	1.00				27.50	0.45		
				22	760616	0	5.90	4.00	51.00	1.00	2.40				13.50	1.80		
				23	760721	0	6.10	5.00	58.37	0.60	2.30				13.50	6.14		
				24	770830	0	6.40	4.00	37.80	1.10	2.50				4.00			
				25	780906	0	6.40	4.00	29.20	1.00	3.00				3.30			
				26	780914	0	6.40	4.00	29.20	1.20	2.60				3.50			
				27	790228	0	6.40	4.00	35.00	1.40	3.10				3.00			
				28	790228	0	6.50	4.00	28.00	1.00	2.00				7.00			
				29	790228	0	6.30	4.00	7.00	0.40	0.00				2.00			
				30	790529	0	6.40	4.00	23.00	0.80	2.10				3.00			
				31	790529	0	6.20	3.00	30.00	1.40	2.60				4.00			
				32	790529	0	6.40	3.00	28.00	1.20	2.60				3.50			
				33	790529	0	6.30	4.00	31.00	1.40	2.70				3.50			
				34	790613	0	6.30	6.00	27.50	1.00	2.70				3.00			
				35	790613	0	6.20	3.00	29.00	1.20	2.70				3.20			
				36	790613	0	6.20	3.00	29.50	1.40	2.70				3.90			
				37	790627	0	6.30	4.00	33.00	1.20	2.90				4.00			
				38	790627	0	6.40	7.00	31.00	1.20	2.80				3.50			
				39	790627	0	6.10	2.00	32.50	1.20	2.80				3.20			
				40	790627	0	6.30	3.00	31.50	1.40	2.60				4.00			
				41	790627	0	6.30	5.00	35.00	1.20	3.20				3.80			
				42	790711	0	6.50	7.00	32.50	1.60	2.90				3.50			
				43	790711	0	6.60	3.00	31.00	1.20	2.60				3.80			
				44	790711	0	6.50	4.00	32.50	1.40	2.80				4.00			
				45	790711	0	6.50	5.00	36.00	1.20	2.80				4.30			
				46	790801	0	6.50	8.00	33.00	1.80	3.60				3.20			
				47	790801	0	6.30	5.00	31.00	1.20	2.60				4.00			
				48	790801	0	6.30	5.00	33.00	1.80	2.80				4.30			

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
286	7	3	2	49	790801	0	6.40	6.00	36.00	1.40	2.60				4.00			
				50	790815	0	5.70	7.00	32.00	1.40	3.60				3.50			
				51	790815	0	5.80	1.00	34.00	1.60	2.80				4.00			
				52	790815	0	6.00	5.00	33.00	1.60	3.30				4.00			
				53	790815	0	6.10	6.00	38.00	2.00	2.90				5.00			
				54	790829	0	6.30	6.00	38.00	1.60	3.60				3.50			
				55	790829	0	6.40	5.00	34.00	1.20	2.80				3.80			
				56	790829	0	6.40	5.00	33.00	1.20	3.30				4.00			
				57	790829	0	6.40	6.00	37.00	1.60	3.60				4.30			
				58	790902	0	6.10	4.00	27.00	1.60	3.70				3.50			
				59	790902	0	6.30	4.00	33.50	2.20	3.30				4.00			
				60	790902	0	6.40	5.00	33.00	1.60	3.30				3.80			
				61	790902	0	6.40	6.00	36.50	1.60	3.60				4.30			
				62	790925	0	6.10	4.00	24.50	1.40	2.80				3.50			
				63	790925	0	6.40	5.00	33.50	1.20	2.80				4.30			
				64	790925	0	6.50	5.00	34.00	1.60	2.80				4.30			
				65	790925	0	6.40	5.00	36.00	1.40	3.50				3.80			
				66	791010	0	6.30	4.00	24.50	1.20	2.40				3.80			
				67	791010	0	6.30	4.00	34.50	1.60	2.40				3.30			
				68	791010	0	6.50	4.00	35.00	1.40	3.30				3.80			
				69	791010	0	6.50	4.00	37.00	2.00	3.30				4.00			
				70	800219	0	6.20	6.50	44.00	0.60	2.40				12.00			
				71	800219	0	6.00	7.00	45.00	1.70	2.80				9.00			
				72	800219	0	5.90	7.00	46.00	1.60	2.80				8.50			
				73	800527	0	6.70	3.00	22.00	0.80	1.90				4.50			
				74	800527	0	6.60	3.00	22.00	0.80	1.90				5.00			
				75	800527	0	6.50	2.50	16.00	0.50	1.70				7.25			
				76	800527	0	6.30	3.00	22.00	0.80	1.90				6.50			
				77	800610	0	5.50	2.50	25.00	0.70	2.20				6.50			
				78	800610	0	6.30	3.50	24.00	1.00	2.40				7.00			
				79	800610	0	5.70	3.00	18.00	0.60	2.00				5.50			
				80	800610	0	6.02	3.00	23.00	0.80	2.20				6.00			
				81	800624	0	6.25	3.00	26.00	0.90	2.10				7.50			
				82	800624	0	6.35	2.50	27.00	1.00	2.90				6.50			
				83	800624	0	6.11	3.00	19.00	0.70	2.00				6.00			
				84	800624	0	6.45	3.00	25.00	0.80	2.30				4.50			
				85	800708	0	6.01	3.00	27.00	0.90	2.40				6.00			
				86	800708	0	6.10	4.00	28.00	1.10	2.90				6.00			
				87	800708	0	6.40	3.50	20.00	0.70	2.30				5.00			
				88	800708	0	6.08	3.50	27.00	1.00	2.40				6.50			
				89	800805	0	6.40	4.00	28.00	1.10	3.00				5.00			
				90	800805	0	6.22	5.00	30.00	1.20	3.60				7.00			
				91	800805	0	6.33	5.00	22.00	1.00	3.00				5.50			
				92	800805	0	6.08	4.50	29.00	1.20	3.00				7.00			
				93	800819	0	6.18	4.00	28.00	1.00	3.00				7.00			
				94	800819	0	5.87	32.00	29.00	1.20	3.30				7.50			

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GLOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
286	7	3	2	95	800819	0	5.72	2.50	18.00	0.80	2.40				6.00			
				96	800819	0	6.12	4.50	27.00	1.20	3.30				6.50			
				97	800903	0	6.20	4.50	29.00	1.20	3.60				6.00			
				98	800903	0	6.12	4.50	29.00	1.20	3.30				6.50			
				99	800903	0	6.20	4.50	22.50	1.00	3.00				7.00			
				100	800903	0	6.30	4.30	28.00	1.20	3.30				7.50			
				101	800917	0	6.10	4.60	31.00	1.20	3.60				4.00			
				102	800917	0	5.41	2.00	30.00	1.20	3.50				5.50			
				103	800916	0	5.82	3.50	185.00	2.40	2.40				58.50			
				104	800916	0	6.50	5.50	29.00	1.40	3.50				6.00			
				105	800930	0	6.30	4.50	54.00	1.30	3.50				15.50			
				106	800930	0	6.22	4.50	32.00	1.30	3.60				7.50			
				107	800930	0	6.01	3.50	23.00	0.90	2.40				8.50			
				108	800930	0	6.12	4.00	32.00	1.40					8.50			
				109	801015	0	6.31	4.00	30.00	1.20					7.00			
				110	801015	0	6.42	4.00	34.00	1.50					9.75			
				111	801015	0	6.20	4.00	33.00	1.30					11.00			
				112	801015	0	6.30	4.00	33.00	1.20					9.50			
				113	790801	0	6.30	5.00	33.00	1.80	2.80				4.30			
						0	6.25	4.24	35.90	1.16	2.53				7.09	1.72		
287	6	4	2	1	720428	0	6.60	8.80	107.00		4.00	1.60	10.00		19.50	6.50		
				2	720428	0	5.90	7.80	107.00		4.00	1.60	10.00		18.00	5.30		
						0	6.25	8.30	107.00		4.00	1.60	10.00		18.75	5.90		
288	7	4	2	1	730501	0	6.30	2.00	46.00	0.80	1.20				16.00		2.44	
289	6	4	1	1	770601	0	5.38	0.80			0.87	0.49	4.12		14.74	4.72		
				2	770719	0	5.28	0.20			0.83	0.51	6.02		17.89	6.02		
				3	770901	0		0.60			1.08	0.56	5.25			5.25		
				4	771013	0	5.75	1.80			0.72	0.52	4.09		12.80	4.09		
				5	771109	0	5.10	0.80			1.00	0.60	5.54		26.90	4.60		
				6	771213	0	4.90	0.20			0.99	0.52	4.06		10.80			
				7	780117	0	4.75					0.45			17.00			
				8	780301	0	5.15	1.00				0.49			10.20			
				9	780425	0		0.40				3.56			53.60			
				10	780531	0	5.05	1.00				0.28			7.00			
				11	780705	0		1.00				0.30	8.97		8.90			
				12	780825	0		1.00				0.33	3.45		11.48			
				13	781010	0	5.50	1.00				0.40	4.30		11.99			
				14	781130	0	4.80	1.00				0.51	4.96		12.02			
				15	790110	0	5.45	1.00				0.47	4.13		12.48			
				16	790130	0	5.14	1.00				0.60	4.29		12.00			
				17	790227	0	5.20	2.00				0.39			14.00			
				18	790328	0	5.50	1.00				0.36	3.45		15.00			
				19	790523	0	5.60	1.00				0.31			12.00			

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
289	6	4	1	20	790724	0	5.62	1.00				0.37			12.00			
				21	790827	0	5.62	1.00	31.27		0.44	0.40	4.42		14.00	4.00		
				22	790926	0	5.26	1.00	33.50						14.00	5.00		
				23	791106	0	5.19		32.73		1.58	0.35			8.00	5.30		
				24	791204	0	5.54	1.00	32.19			3.17	3.17		8.00			
				25	800319	0	5.05	1.00	36.41		0.68	0.46			10.00	5.00		
				26	800513	0	5.57	1.00	20.14				2.84		8.00	5.00		
						0	5.29	0.95	31.04		0.91	0.68	4.57		14.19	4.90		
290	7	4	1	1	720601	0	6.06	2.00	31.00	0.60	1.00				7.80		2.40	
291	7	4	1	1	720601	0	6.75	6.00	44.00	0.86	1.90				7.50		7.30	
292	7	4	1	1	730501	0	6.20	2.00	32.00	0.60	1.50				5.00		2.44	
293	13	3	2	1	791217	0	5.17	1.00	53.14	0.67	1.13	0.84						100
294	7	5	1	1	730501	0	6.35	3.00	34.00	0.60	1.00				10.50		3.66	
295	20	2	2	1	761002	0	5.93	1.40	31.72	0.88	2.16	0.44						15
				2	770720	0	6.04	1.40	12.71	0.40	1.12	0.27	1.02	0.17				20
						0	5.98	1.40	22.21	0.64	1.64	0.35	1.02	0.17				18
296	20	2	3	1	800721	0	5.93	1.50		0.35	0.94	0.28						30
				1	800721	0	5.96	1.00		0.34	0.92	0.28						30
						0	5.94	1.25		0.34	0.93	0.28						30
297	20	2	3	1	800721	0	5.79	1.70		0.34	0.93	0.28						30
298	20	2	3	1	800721	0	5.86	1.30		0.34	0.93	0.28						20
299	13	3	2	1	780309	0	6.23	8.80	237.90	3.09	5.67	3.91			53.60			45
300	7	4	2	1	720501	0	6.45	2.00	26.00	0.60	0.80				7.00		2.40	
301	7	4	2	1	730501	0	6.45	4.00	55.00	1.00	2.00				14.00		4.88	
302	7	4	1	1	720601	0	6.27	1.50	23.00	0.40	1.00				5.30		1.80	
				1	730301	0	5.60	1.00	24.00	0.40	0.50				6.00			
						0	5.93	1.25	23.50	0.40	0.75				5.65		1.80	
304	7	4	1	1	730501	0	6.00	2.00	56.00	1.00	1.20				14.50		2.44	
305	7	3	1	1	730701	0	6.95	6.00	28.00	0.70	1.90				4.00		7.32	
306	7	4	2	1	730501	0	6.05	2.00	57.00	0.80	1.80				1.50		2.44	

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
307	4	5	2	1	8011	0	5.70	1.96	21.00		1.10	0.37	1.80	0.10	2.40	1.90		35
308	7	3	1	1	730701	0	6.65	3.00	21.00	0.50	1.20				4.50		3.66	
309	55	3	1	1	790319	0	6.24	2.60	27.40	1.14	1.19	0.64	2.31		8.00	1.00		35
310	4	3	2	1	8011	0	5.90	1.58	24.00		1.00	0.70	2.10	0.20	3.10	2.30		70
311	6	2	1	1	720118	0	6.50	3.30	39.00		3.50		2.10		2.70	2.40		
				2	720218	0	6.60	3.80	47.20		3.80	1.50	3.60		3.70	2.40		
				3	720320	0	6.70	3.90	40.30		3.90	1.30	2.60		4.50	2.50		
				4	720419	0	6.10	3.90	32.50		2.90	1.20	1.90		3.30	2.70		
				5	720518	0	6.30	1.80	24.20		1.80	0.90	2.00		2.70	2.90		
				6	720619	0	6.50	1.90	32.10		1.90	1.00	2.00		2.90	1.60		
				7	720720	0	6.70	3.00	51.40		3.00	1.30	3.90		6.20	2.40		
				8	720819	0	7.30	4.30	45.00		4.30	1.50	1.90		2.80	2.90		
				9	720918	0	7.20	3.90	43.40		3.90	1.30	2.40		2.80	6.90		
				10	721024	0	7.10	3.10	32.00		3.10	1.40	2.00		3.00	1.90		
				11	721117	0	5.90	2.60	30.80		2.60	1.20	1.80		2.50	3.50		
				12	721220	0	6.60	2.20	26.50		2.20	1.00	1.50		2.70	2.60		
				13	730120	0	6.40	3.70	45.30		3.70	1.40	2.50		4.60	2.30		
				14	730215	0	6.40	3.90	41.10		3.90	1.50	2.70		4.00	2.70		
				15	730320	0	6.80	3.60	43.40		3.60	1.40			3.70	4.00		
				16	730418	0	6.60	3.60	46.50		3.60	1.50	2.80		4.20	4.60		
				17	730525	0	6.20	1.90	26.90		1.90	0.80	1.60		2.50	2.00		
				18	730615	0	6.40	2.50	28.40		2.50	1.00	1.90		2.70	5.00		
				19	730721	0	7.00	2.50	37.40		3.50	1.30	2.00		2.00	5.00		
				20	730824	0	5.30	4.50	37.10		4.50	1.30	2.00		3.00	5.00		
				21	730920	0	6.90	4.20	45.00		4.30	1.50	2.20		3.30	3.00		
				22	731022	0	6.50	3.80	40.90		3.80	1.50	2.10		3.40	2.00		
				23	731107	0	6.60	2.80	33.80		2.80	1.40	2.00		3.10	7.00		
				24	731219	0	6.90	9.00	33.90		3.10	1.40	1.90		3.20			
				25	740122	0	7.20	16.70	56.60		5.30	1.90	2.90		4.50	6.00		
				26	740225	0	6.40	14.00	51.70		4.60	1.90	3.20		4.50	7.00		
				27	740320	0	7.00	13.70	46.70		4.20	1.70	2.90		4.70	2.00		
				28	740422	0	6.70	8.50	34.70		3.10	1.40			4.00	5.00		
				29	740520	0	6.40	4.80	23.40		1.60	0.80	1.60		2.90	4.00		
				30	740624	0	6.40	6.40	29.70		2.50	1.10	2.00		3.30	2.00		
				31	740726	0	6.20	10.10	33.90		2.60	1.20	2.20		2.90	5.00		
				32	740822	0	6.00	12.90	38.90		3.80	1.50	2.20		3.10	2.00		
				33	740921	0	6.00	14.60	36.80		3.40	1.50	2.40		3.40	2.00		
				34	741028	0	6.90	9.80	33.00		3.30	1.40	2.00		3.30	2.00		
				35	741125	0	7.10	11.90	36.50		3.20	1.20			3.60	2.00		
				36	741221	0	6.80	8.00	40.90		3.10	1.40	3.00		6.10	2.00		
				37	750124	0	6.60	14.00	41.20		3.50	1.50	2.20		3.50	4.00		
				38	750225	0	6.70	13.40	48.50		3.90	1.30	2.90		4.30	2.00		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
311	6	2	1	39	750325	0	6.90	10.30	49.70		4.30	1.70	2.70		5.50	2.00		
				40	750423	0	7.00	8.40	35.90		2.70	0.95	2.40		2.70	4.00		
				41	750522	0	6.10	5.60	34.70		1.90	1.00	2.50		1.90	4.00		
				42	750626	0		8.60	24.70		3.60	1.30	1.80		3.60	2.00		
				43	750725	0	6.90	16.00	52.90		5.00		3.90		4.00	4.00		
				44	750825	0	6.60	14.10	52.40		4.30	1.50	2.30		3.80	2.00		
				45	750919	0	7.40	17.90	61.60		5.00	1.70	3.20		4.10	5.00		
				46	751015	0	6.60	7.00	32.40		2.70	1.20	2.60		3.70	4.00		
				47	751223	0	6.60	7.30	35.90		2.80	0.30	2.20		4.00	2.00		
				48	760119	0	7.00	8.70	37.10		3.70	1.10	2.10		3.70			
				49	760216	0	6.60	8.30	40.00		4.80	1.70	2.70		7.30	3.00		
				50	760316	0	6.50	12.00	44.00		3.80	1.10	2.80		4.20	6.00		
				51	760415	0	6.60	9.10	22.50		2.10	1.00	1.90		3.20	1.60		
				52	760518	0	7.50	7.20	39.30		2.40	1.00	2.80			2.00		
				53	760615	0	6.20	5.50	32.00		2.50	1.10	2.20			3.90		
				54	760715	0	7.00	14.00	50.00		7.40	1.40	2.70			2.50		
				55	760814	0	6.80	15.70	54.00		5.00	1.80	2.60			2.40		
				56	760902	0	6.80	18.60	54.00		5.00	1.60	2.70			2.00		
				57	760917	0	6.90	16.80	53.00		4.50	1.50	2.80			1.80		
				58	761015	0	7.10	14.50	40.00		3.60	1.60	2.60			3.00		
				59	761116	0	6.50	6.10	36.00		2.50	1.20	2.10			3.90		
				60	761215	0	6.50	9.00	38.00		2.90	1.20	2.20			3.20		
				61	770114	0	7.20	7.50	38.00		3.00	1.20	2.60			3.00		
				62	770217	0	7.00	9.10	43.70		3.60	1.30	2.90			2.80		
				63	770317	0	7.10	9.50	50.00		3.50	1.50	3.20			3.20		
				64	770418	0	6.20	3.40			2.80	1.25	3.00			7.80		
				65	770517	0	6.60	4.70	23.70		1.90	1.85	1.70			3.10		
				66	770615	0	7.00	6.90	31.60		2.70	1.00	2.20			2.80		
				67	770716	0	7.60	11.30	41.50		3.50	1.40	2.60			2.50		
				68	770815	0	7.10	10.60	37.00		3.70	1.40	2.20			2.50		
				69	771017	0	6.80	12.20	56.00		3.10	1.60	4.50			2.80		
				70	771112	0	7.20	18.30	38.00		3.00	1.50	2.20			3.00		
				71	771219	0	7.00	9.00	35.00		3.30	1.30	2.10			2.50		
				72	780118	0	6.60	7.60	32.90		2.40	1.10	2.20					
				73	780214	0	6.90	8.80	43.00		3.50	1.20	2.80			2.90		
				74	780317	0	7.10	10.20	46.30		4.30	1.60	2.50			2.70		
				75	780415	0	7.30	14.00	52.00		4.00	1.50	3.90		6.20	2.80		
				76	780516	0	6.40	5.50	36.00		2.30	0.98	2.90		4.30	2.80		
				77	780617	0	6.90	7.60	37.00		2.90	1.20	2.50			2.80		
				78	780720	0	7.20	11.10	45.00		3.90	1.40	2.50			2.50		
				79	780815	0	7.10	11.00	56.00		5.00	1.50	2.70		5.30	2.30		
				80	780916	0	6.60		53.00		4.90	1.60	3.40		5.30	4.30		
				81	781115	0	7.10	11.40	79.00		2.60	1.30	2.50		5.20	2.60		
				82	781218	0	7.10	8.10	47.00		2.90	1.10	2.60		4.50	3.50		
				83	790115	0	7.20	7.50	39.00		2.40	1.00	2.60		4.20	3.30		
				84	790219	0	6.70	6.40	42.00		3.20	1.30	2.50		4.80	2.70		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	MAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
311	6	2	1	85	790313	0	6.80	5.30	28.00		2.00	0.85	2.00		2.85	2.70		
				86	790515	0	7.00	6.50	28.00		2.10	0.87	1.90		2.67	3.10		
						0	6.74	8.31	40.42		3.39	1.31	2.47		3.78	3.20		
312	16	3	2	1	740123	0	5.57	1.00	40.90	0.51	1.04	0.61	4.50		6.90	1.00		
313	16	1	2	1	800218	0	10.41	39.30	106.54	4.04	14.57	0.87						70
314	4	6	2	1	8011	0	6.90	20.90	66.00		8.00	1.30	2.70	0.20	5.80	2.80		35
315	16	3	2	1	791120	0	5.21	1.00	59.21	0.50	0.49	0.84						40
316	7	4	2	1	720601	0	6.65	4.00	44.00	1.80	1.10				9.50		4.90	
317	7	3	1	1	730701	0	6.80	3.00	33.00	0.60	1.20				6.00		3.66	
318	7	2	1	1	731001	0	6.54	8.00	29.00	1.40	1.00				4.00		9.80	
319	6	5	1	1	720115	0	5.20	1.20	85.60		2.50	1.70	9.40		2.10	5.00		
				2	720214	0	6.40	4.60	58.10		2.50	0.90	5.80		11.00	4.30		
				3	720315	0	6.00	3.20	64.40		2.60	1.20	7.40		13.00	4.00		
				4	720417	0	5.50	1.70	50.00		2.00	0.92	5.80		11.00	3.90		
				5	720521	0	5.20	1.20	17.10		0.50	0.20	1.80		3.20	1.70		
				6	720616	0	5.40	1.30	19.50		0.50	0.40	1.90		3.10	1.70		
				7	720715	0	4.90	1.00	15.00		0.30	0.20	1.10		2.00	1.20		
				8	720817	0	6.10	3.20	29.40		1.60	0.45	3.50		3.80	5.90		
				9	720916	0	6.00	2.80	26.50		1.60	0.50	2.20		4.10	2.90		
				10	721016	0	4.60	1.00	33.30		1.20	0.50	2.70		3.60	4.20		
				11	721117	0	4.50	7.00	39.30		1.30	0.50	3.10		5.30	5.60		
				12	721216	0	5.00	4.00	55.10		1.90	0.90	6.00		12.00	3.90		
				13	730115	0	5.30	1.40	62.30		2.00	1.00	6.40		13.00	4.20		
				14	730215	0	4.60	1.20	43.60		1.40	0.80	5.00		9.40	3.00		
				15	730315	0	6.60	1.00	51.20		1.60	0.75	4.70		8.60	9.00		
				16	730415	0	5.70	2.40	50.30		2.20	0.90	1.08		8.80	7.80		
				17	730516	0	4.40	1.00	33.80		0.60	0.30	2.00		3.30	4.00		
				18	730614	0	6.00	2.30	19.10		0.90	0.30	2.00		3.20	4.00		
				19	730719	0	5.50	1.00	21.00		1.10	0.32	2.50		3.30	5.00		
				20	730918	0	5.90	2.50	24.90		1.40	0.50	3.00		3.70	3.00		
				21	730918	0	4.70	1.00	42.70		1.80	0.60	4.00		4.70	8.00		
				22	731015	0	5.60	2.00	37.70		1.90	0.60	3.10		6.20	5.00		
				23	731116	0	5.30	1.80	33.10		1.30	0.60	2.10		5.80	7.00		
				24	731215	0	4.60	1.00	22.30		0.80	0.40	3.50		3.60	4.00		
				25	740119	0	6.60	2.70	33.70		1.80	0.70	5.10		6.30	3.00		
				26	740228	0	5.30	1.30	45.10		1.90	0.90	5.30		9.00	2.00		
				27	740315	0	5.80	2.70	48.20		2.10	0.90	3.70		9.80	6.00		
				28	740416	0	5.00	4.00	34.00		1.00	0.70	1.90		6.60	2.00		

Table 1. (Cont'd.)

IDEN	SUBH AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
319	6	5	1	29	740515	0	5.60	4.00	18.70		0.30	0.70	1.60		3.60	2.00		
				30	740615	0	6.40	1.10	14.40		0.70	0.20	1.60		2.50	4.00		
				31	740715	0	7.00	2.70	19.00		0.80	0.30	2.30			5.00		
				32	740818	0	6.00	3.10	25.30		1.50	0.50	2.50		0.03	5.00		
				33	740915	0	5.20	1.10	24.30		1.50	0.50	2.40		3.20	5.00		
				34	741015	0	5.40	2.10	31.00		1.60	0.60	3.20		5.20	5.00		
				35	741116	0	4.60	0.50	50.10		2.10	1.20	5.80		12.00	5.00		
				36	741215	0	5.60	6.00	43.40		1.80	0.80	7.80		9.60	4.00		
				37	750115	0	6.40		43.50		2.00	0.87	4.80		9.80	5.00		
				38	750215	0	6.50	4.40	50.00		2.80	0.90			9.10	5.00		
				39	750315	0	6.40	5.20	51.10		2.40	1.00	5.60		10.00	3.00		
				40	750403	0	6.00	2.40	41.90		1.50	0.62	4.60		8.20	2.00		
				41	750517	0	6.80	1.20	17.30		0.50	0.25	1.90		2.80	2.00		
				42	750614	0	6.80	1.50	16.70		0.80	0.25	1.70		2.80	4.00		
				43	750716	0	6.10	2.30			1.40	0.40	2.30		3.50	4.00		
				44	750816	0	5.60	3.00	34.00		1.70	0.70	3.30		5.20	4.00		
				45	750918	0	6.30	2.80	33.00		1.80	0.50	2.20		4.40	3.00		
				46	751014	0	6.50	1.40	35.30		1.80	0.70	3.80		6.30	8.00		
				47	751115	0	5.30	2.50	26.80		1.20	0.40	2.80		7.10	2.00		
				48	751215	0	5.30	1.60	28.20		0.90	0.50	3.10		5.70	6.00		
				49	760115	0	6.30	1.90	31.60		1.40	1.20	3.50		6.00	3.70		
				50	760218	0	6.50	1.40	29.50		1.30	0.50	3.60		6.10	4.80		
				51	760316	0	5.90	2.30	47.60		2.60	2.40	5.30		9.20	2.00		
				52	760416	0	5.90	1.90	26.90		1.00	0.50	3.40		5.60	2.60		
				53	760506	0		3.10	21.00		1.20	0.37	2.50		3.90	4.50		
				54	760715	0	6.50	4.30	43.00		2.40	0.65	4.10		5.80	3.80		
				55	760810	0	6.30	3.40	32.00		1.60	0.05	2.80		3.80	3.80		
				56	760916	0	6.00	2.80	30.00				2.70		3.80	3.30		
				57	761015	0	5.30	0.60	32.00		1.80	0.46	3.30		5.80	4.00		
				58	761116	0	5.90	1.90	44.00		1.50	0.70	3.60		7.20	4.00		
				59	770115	0	5.70	0.50	50.00		1.70	0.90	6.30		13.50	4.50		
				60	770216	0	6.40	2.20	52.50		2.00	0.90	6.00		11.80	4.80		
				61	770315	0	6.50	3.30	57.20		2.60	1.00	6.00		11.60	5.00		
				62	770415	0	4.40	0.50			2.50	0.87	4.80		9.20	9.20		
				63	770531	0	5.60	0.50	16.50		0.60	0.25	1.70		2.80	1.80		
				64	770630	0	5.90	1.70	19.00		0.90	0.35	2.20		3.50	2.70		
				65	770815	0	6.00	1.70	34.00		2.00	0.55	2.80		5.00	4.10		
				66	771015	0	5.70	1.60	27.00		1.20	0.35	2.20		4.30	3.00		
				67	771116	0	5.60	0.50	21.00		0.80	0.35	2.10		3.60	2.70		
				68	771215	0	5.90	0.90	34.00		1.60	0.60			7.10	3.00		
				69	780131	0	5.70	0.50	34.70		1.10	0.60	3.70		7.30	2.60		
				70	780217	0	6.10	1.90	38.00		1.60	0.60	4.10		7.50	3.00		
				71	780315	0	6.50	0.50	50.30		2.10	0.82	5.40		9.60	3.50		
				72	780417	0	6.20	1.50	54.00		2.20	0.80	5.90			4.30		
				73	780516	0	5.20	1.00	15.00		0.40	0.17	1.40			2.00		
				74	780615	0	5.60	0.50	16.00		0.56	0.19	1.50		1.40	2.50		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
319	6	5	1	75	780712	0	6.60	1.80	24.00		1.20	0.35	2.40		3.00	3.00		
				76	780815	0	6.40	5.00	36.00		1.70	0.45	3.10			4.00		
				77	780917	0	5.90	0.50	26.00		1.40	0.45	2.50			4.30		
				78	781130	0	6.50	1.60	36.00		1.20	0.45	3.40		6.60	3.80		
				79	781231	0	6.50	1.70	50.00		1.60	0.65	5.40			4.50		
				80	790115	0	5.90	0.50	48.00		1.20	0.62	5.50			3.90		
				81	790216	0	6.10	0.50	46.00		1.80	0.70	5.10			4.30		
				82	790315	0		0.50	37.30		1.30	0.80	4.40			3.50		
						0	5.79	2.04	35.75		1.50	0.63	3.65		6.24	4.03		
320	7	4	1	1	730701	0	6.70	4.00	39.00	0.70	1.20				7.00		4.88	
321	40	3		1	761220	0	5.42	2.40	48.50	0.88	2.27	0.67	3.46		17.70			65
322	7	4	2	1	750513	0	6.90	14.00	41.04	1.00	2.00				7.50	2.99		
				2	750521	0	6.70	4.00	44.21	1.00	2.00				7.00	2.85		
				3	750611	0	6.90	8.00	59.21	1.50	3.30				9.50	4.80		
				4	750630	0	6.90	5.00	45.40	1.20	2.10				7.50	3.40		
				5	750714	0	6.90	7.00	44.80	1.20	2.70				8.00	1.40		
				6	750730	0	6.90	6.00	45.08	1.00	2.90				8.00	3.60		
				7	750813	0	6.90	6.00	46.33	1.10	2.30				8.50	5.10		
				8	750828	0	6.90	8.00	48.76	1.30	2.60				7.50	5.70		
				9	750915	0	6.90	8.00	49.50	1.30	2.80				8.00	3.74		
				10	750930	0	6.80	8.00	46.20	1.30	2.80				8.00	3.74		
				11	751015	0	6.80	8.00	45.60	1.30	2.80				7.50	6.27		
				12	751030	0	6.80	8.00	47.80	1.60	2.50				8.00	5.23		
				13	751115	0	6.70	8.00	46.20	1.20	2.80				7.00	1.41		
				14	751115	0	6.80	7.00	46.60	1.20	2.30				7.50	2.20		
				15	751215	0	6.80	6.00	46.20	1.10	2.30				7.50	0.53		
				16	751230	0	6.60	6.00	47.30	1.00	2.00				8.00	0.53		
				17	760115	0	6.60	6.00	46.40	1.20	1.30				9.00	1.02		
				18	760217	0	6.50	5.00	74.24	1.40	2.60				18.00	1.72		
				19	760315	0	6.30	4.00	77.76	1.50	3.00				22.00	0.43		
				20	760421	0	6.30	4.00	112.00	1.60	3.00				20.20	3.40		
				21	760525	0	6.50	5.00	77.76	1.60	3.00				19.00	2.70		
				22	760616	0	6.40	1.50	81.60	1.40	4.30				20.00	3.15		
				23	760721	0	6.20	5.00	86.40	1.20	4.70				19.50	5.19		
						0	6.70	6.41	56.80	1.27	2.70				10.99	3.09		
323	10	1	2	1	720802	0	7.40		64.00									100
				2	720807	0	7.27	15.00	67.00	2.05	5.40	1.70	5.80	0.40	9.00	5.80	18.30	150
				4	801021	0	6.80	15.50	59.00		3.90	1.30	5.50	0.40	8.50	4.20		100
						0	7.16	15.25	63.33	2.05	4.65	1.50	5.65	0.40	8.75	5.00	18.30	117
324	16	1	2	1	800211	0	6.79	27.60	121.28	4.11	12.32	1.95						55

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
325	16	5	2	1	790821	0	6.68	4.20	50.70	1.00	2.79	0.65						40
				2	790719	0	5.96	6.60	47.58	1.34	3.79	0.77						150
						0	6.32	5.40	49.14	1.17	3.29	0.71						95
326	6	5	2	1	710909	0	6.60	11.00	42.90		4.00	1.40	3.60		5.80	2.90		
327	16	4	2	1	791011	0	6.37	1.60	43.61	0.67	1.36	0.76						45
328	16	3	2	1	711103	0	6.60	9.00	100.00	3.60	1.00	8.00	4.60		22.30	3.50		20
329	16	1	2	1	780623	0	7.21	65.40	107.49	3.17	9.18	2.10						20
330	16	1	2	1	800211	0	7.61	60.30	224.60	8.29	28.75	2.63						15
331	7	4	2	1	730201	0	6.20	1.00	48.00	0.90	1.60				15.00		0.00	
332	7	4	1	1	730501	0	6.00	2.00	65.00	1.10	1.50				20.00		2.44	
333	10	3	2	1	670823	0	6.40	4.80	31.00	0.68	2.40	0.20	2.90	0.30	4.80	2.70		
				2	800715	0	6.40	5.30	22.00		1.50	0.33	2.10	0.10	2.40	2.70		60
						0	6.40	5.05	26.50	0.68	1.95	0.26	2.50	0.20	3.60	2.70		60
334	16	2	1	1	740123	0	6.74	11.00	68.00	2.11	5.84	1.59	5.00		8.10	1.00		45
335	7	2	1	1	720801	0	7.20	12.00	33.00	1.60	1.80				3.50			
336	7	6	1	1	721001	0	7.60	50.00	275.00	15.00	17.50				9.50		61.00	
337	7	4	1	1	720501	0	6.84	6.50	41.00	1.15	2.40				9.00		8.00	
338	7	4	2	1	730401	0	5.45	1.00	25.00	0.50	0.50				6.00			
				2	750224	0	6.10	1.00	26.00	0.40	0.40				6.50		1.00	
				3	750226	0	5.80	2.00	27.04	0.50	0.40				7.00		2.40	
				4	750325	0	5.80	2.00	29.68	0.50	0.40				8.50		2.40	
				5	750408	0	6.30	2.00	26.50	0.40	0.40				7.00		2.40	
				6	750421	0	5.60	1.00	22.26	0.40	0.20				6.00		1.00	
				7	750520	0	5.60	1.00	23.94	0.60	0.50				10.50			
				8	750620	0	6.50	2.00	41.37	0.50	0.60				10.00			
				9	750721	0	6.00	1.00	25.76	0.40	0.50				6.50			
				10	750819	0	6.20	2.00	25.97	0.40	0.60				6.00			
				11	750919	0	6.00	2.00	24.70	0.50	0.60				7.00			
				12	751020	0	5.70	1.00	28.50	0.50	0.50				7.00			
				13	751120	0	5.60	1.00	28.60	0.50	0.50				7.00			
				14	751219	0	5.60	4.00	31.32	0.50	0.60				7.00			
						0	5.87	1.64	27.62	0.47	0.48				7.29		1.84	

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
339	7	4	1	1	730501	0	6.00	2.00	60.00	1.10	1.80				16.00		2.44	
340	16	5	2	1	770810	0	6.66	17.00	70.93	1.46	3.88	0.93						70
341	4	2	2	1	8011	0	6.60	6.00	28.00		2.50	0.54	1.90	0.10	2.80	2.50		30
342	7	4	1	1	720801	0	6.75	4.00	26.00	0.80	0.90				6.50		4.90	
343	7	4	2	1	750707	0	6.10	2.00	26.52	0.40	0.30				6.00			
344	7	4	1	1	720301	0	6.44	3.00	24.00	0.70	1.10				7.00			
				2	720501	0	6.27	3.50	23.00	0.55	0.80				6.30			
						0	6.35	3.25	23.50	0.62	0.95				6.65			
345	6	4	2	1	710603	0	6.40	6.10	74.00		2.10	1.50	8.50		16.00	3.30		
346	7	4	1	1	720801	0	5.58	0.50	35.00	0.75	1.50				7.90			
347	7	5	1	1	730501	0	6.50	6.00	26.00	0.60	1.50				8.00		7.32	
348	7	4	2	1	730501	0	6.70	6.30	68.00	1.70	4.40				16.30		7.70	
349	16	4	2	1	790925	0	7.14	10.40	95.48	1.94	5.28	1.45						25
350	16	5	1	1	771108	0	5.90	1.80	59.75	1.00	2.53	0.80						35
351	7	5	1	1	730501	0	6.15	1.00	30.00		1.00				9.50			
352	7	4	1	1	720801	0	6.58	3.00	41.00	0.75	0.60				9.80		3.70	
353	4	3	2	1	8011	0	6.50	4.30	24.00		1.90	0.51	1.70	0.30	2.60	2.30		70
354	7	3	1	1	730701	0	6.90	9.00	35.00	1.80	2.20				5.00		10.90	
355	16	3	2	1	800225	0	7.16	12.30	54.22	1.68	4.59	1.28						45
356	7	5	1	1	730501	0	6.75	10.00	47.00	1.50	3.30				11.50		12.20	
357	16	5	2	1	750522	0	6.83	8.80	77.99	1.55	4.45	0.95						45
				2	761110	0	6.17	8.20	83.72	1.70	4.59	1.29						40
				3	770725	0	6.85	7.60	84.60	1.88	5.72	1.06						20
				4	790918	0	7.20	10.00	76.27	1.89	5.70	1.08						30
						0	6.76	8.65	80.64	1.75	5.11	1.09						34
358	7	4	1	1	720901	0	6.33	5.50	50.00	1.30	1.90				10.30		6.70	

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
359	7	5	1	1	730501	0	6.60	5.00	32.00	0.80	1.50				8.50		6.10	
360	7	5	1	1	721001	0	4.80	0.00	32.00	0.60	0.80				7.50			
361	16	5	2	1	790622	0	7.48	19.00	230.60	7.73	25.34	3.41						15
362	10	1	1	1	7207	0	7.52		146.00									110
363	7	1	2	1	720501	0	7.50	46.00	102.00	6.00	11.50				5.00		56.10	
364	7	3	1	1	730701	0	6.40	4.00	43.00	0.60	1.20				8.00		4.88	
365	7	1	1	1	720501	0	7.84	56.00	109.00	7.00	11.00				6.50		68.00	
366	4	3	2	1	8011	0	5.10	0.34	21.00		1.10	0.70	1.20	0.10	1.90	3.50		100
367	6	4	2	1	800930	0	6.50	5.00	40.00	0.81	1.73	0.87						50
368	4	6	2	1	8011	0	6.60	0.50	28.00		2.40	0.51	1.90	0.20	3.40	3.30		30
369	7	3	2	1	780831	0	6.40	3.00	226.80	2.60	2.60				69.00			
				2	780706	0	6.40	3.00	248.40	2.40	2.60				71.50			
				3	780914	0	6.40	3.00	20.50	0.60	1.00				3.00			
				4	790228	0	6.50	4.00	28.00	1.00	2.00				4.00			
				5	790228	0	6.10	1.00	25.00	0.10	0.00				0.50			
				6	790620	0	6.00	2.00	20.50	1.00	1.50				3.50			
				7	790802	0	6.10	2.00	33.50	0.80	1.50				4.50			
				8	790919	0	6.10	3.00	26.00	1.00	1.70				4.00			
				9	790219	0	5.71	1.00	34.00	0.90	1.00				8.00			
						0	6.19	2.44	73.63	1.16	1.54				18.67			
370	7	3	1	1	730601	0	5.80	2.00	14.00	0.40	1.20				2.50		2.44	
371	7	4	2	1	750513	0	6.80	10.00	28.08	0.70	1.60				5.50	14.27		
				2	750529	0	6.80	6.00	42.56	1.00	2.30				5.50	4.87		
				3	750611	0	6.80	5.00	46.80	1.00	2.30				6.50	4.10		
				4	750630	0	7.20	8.00	41.58	1.10	3.00				7.00	3.40		
				5	750714	0	7.10	10.00	52.92	1.20	4.00				6.00	5.30		
				6	750730	0	7.00	9.00	47.04	1.30	3.40				7.50	4.50		
				7	750813	0	7.20	9.00	52.32	1.30	3.30				7.50	4.60		
				8	750828	0	7.00	7.00	46.64	1.20	2.60				8.00	4.30		
				9	750915	0	7.00	9.00	49.50	1.30	3.10				7.50	3.21		
				10	750930	0	7.10	12.00	66.00	2.00	4.90				[illegible]00	3.74		
				11	751015	0	6.90	6.90	38.19	1.00	2.20				7.00	3.14		
			---	12	751030	0	6.80	5.00	36.48	0.80	2.00				6.50	3.66		
				13	751112	0	6.80	5.00	37.40	1.10	2.00				7.50	1.47		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
371	7	4	2	14	751127	0	6.60	4.00	38.85	1.00	1.60				8.00	1.47		
				15	751215	0	6.50	5.00	40.07	0.90	1.60				8.50	0.53		
				16	751230	0	6.30	3.00	34.10	0.80	1.30				7.00			
				17	760217	0	6.30	2.80	74.24	1.40	2.40				21.00	2.58		
				18	760315	0	6.30	3.00	90.72	1.50	3.30				24.00	6.45		
				19	760421	0	6.30	3.00	122.12	1.40	4.70				25.00	4.10		
				20	760525	0	6.50	3.50	75.60	1.50	1.20				18.50	4.50		
				21	760616	0	6.40	1.00	73.44	1.20	4.00				18.00	4.50		
				22	760721	0	6.40	5.00	79.92	1.40	5.00				17.00	5.67		
						0	6.73	6.01	55.21	1.19	2.81				10.91	4.30		
372	16	4	2	1	791011	0	6.69	3.00	37.62	0.61	1.31	0.68						8
373	16	2	2	1	791028	0	7.16	8.60	50.55	0.97	2.23	0.95						40
374	7	3	1	1	720801	0	6.90	8.00	31.00	1.10	1.60				2.50		9.80	
375	10	1	2	1	720801	0	8.30		149.00									40
				2	720817	0	7.80	63.40	156.00	6.89	17.70	6.00	5.80	0.80	9.40	5.30	77.30	35
				3	720817	12	7.20		188.00									25
						4	7.77	63.40	164.33	6.89	17.70	6.00	5.80	0.80	9.40	5.30	77.30	33
376	7	4	1	1	730701	0	6.00	2.00	30.00	0.50	1.20				5.00		2.44	
377	6	4	2	1	710720	0	6.30	2.80	37.40		1.40	0.50	4.20		6.90	3.50		
378	16	1	1	1	800211	0	6.67	13.50	149.53	3.64	9.66	2.38						70
379	10	3	2	1	670819	0	6.30	3.40	25.00	0.64	2.20	0.20	2.70	0.10	3.10	2.70		
				2	800715	0	6.30	3.30	27.00		2.20	0.41	2.20	0.10	2.90	2.80		80
						0	6.30	3.35	26.00	0.64	2.20	0.30	2.45	0.10	3.00	2.75		80
380	7	2	1	1	7408	0	6.20	4.00	18.00	0.60					3.00			
381	4	2	2	1	8011	0	6.60	3.40	28.00		2.10	0.54	2.10	0.10	3.60	2.50		45
382	7	2	2	1	641101	0	6.64		14.00	0.70								
				2	680502	0	6.00	5.00	19.00	0.90								
						0	6.32	5.00	16.50	0.80								
383	7	2	1	1	7408	0	5.80	2.00	10.00	0.30					1.50			
384	7	3	1	1	730701	0	6.00	2.00	28.00	0.50	0.60				5.50		2.44	
385	7	1	1	1	720501	0	6.45	5.00	27.00	1.10	2.50				5.00			
				2	800626	0	7.65	56.00	108.00	6.40	11.50				11.00			

Table 1. (Cont'd.)

IDEN	SUBH AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
385	7	1	1	3	800726	0	7.80	56.00	115.00	6.60	11.50				7.50			
				4	800826	0	7.31	63.00	124.00	7.00	14.60				9.00			
						0	7.30	45.00	93.50	5.27	10.02				8.13			
386	55	1	1	1	790319	0	7.55	50.40	111.28	5.71	16.17	4.06	2.69		13.00	2.00		30
387	10	1	1	1	7207	0	8.06		272.00									5
388	7	1	2	1	800626	0	6.00	1.00	14.00	0.40	11.50	0.34			11.00	1.00		
				2	800726	0	7.80	56.00	115.00	6.60	11.50	4.79			7.50	4.00		
				3	800826	0	7.31	63.00	124.00	7.00	17.60				9.00			
						0	7.04	40.00	84.33	4.67	13.53	2.56			9.17	2.50		
389	13	1	2	1	800211	0	6.50	9.50	94.90	2.26	5.84	1.73						120
390	7	6	2	1	720801	0	6.60	5.00	40.00	1.33	2.80				9.20		6.10	
391	7	4	2	1	750224	0	6.90	5.00	39.52	1.00	1.50				8.00		6.10	
				2	750325	0	6.00	4.00	43.46	0.90	1.50				10.00		4.90	
				3	750408	0	6.00	4.00	39.22	0.80	1.50				10.00		4.90	
				4	750421	0	6.00	4.00	35.31	0.40	1.00				8.00		4.90	
				5	750520	0	6.30	2.00	27.36	0.60	1.00				5.00			
				6	750620	0	6.40	4.00	31.80	0.60	1.10				5.50			
				7	750721	0	6.40	2.00	33.04	0.70	1.30				6.50			
				8	750819	0	6.80	2.00	23.20	1.30	1.80				6.50			
				9	750919	0	6.70	4.00	34.10	1.00	1.10				6.50			
				10	751020	0	6.60	3.00	30.78	1.00	1.80				6.50			
				11	751120	0	6.30	4.00	31.90	0.90	1.10				6.50			
				12	751219	0	6.50	3.00	37.80	0.80	1.30				8.00			
				13	760319	0	6.30	2.00	44.28	1.20	1.30				11.00			
				14	760219	0	6.30	1.00	36.72	0.80	1.30				9.50			
				15	760121	0	6.50	2.00	31.00	0.70	1.20				8.00			
						0	6.40	3.07	34.63	0.85	1.32				7.70		5.20	
392	7	2	2	1	720801	0	6.31	4.50	18.00	0.83	2.30				2.00		5.50	
393	7	5	2	1	720401	0	5.30	1.00	12.00	0.40	0.80				2.50			
394	13	2	2	1	801010	0	7.48	26.51		2.13	6.40	1.20	4.60		6.50	8.23		
395	16	1	2	1	800526	0	7.67	57.90	180.06	7.62	14.80	9.53						30
396	16	1	2	1	800715	0	7.05	84.80	197.94	7.19	15.40	8.13						20
397	7	5	1	1	730501	0	5.90	1.00	11.00	0.40	0.50				13.00			

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
398	16	5	2	1	760503	0	6.45	3.40	58.94	1.08	2.66	1.00						20
399	16	1	2	1	800305	0	8.43	92.80	235.62	6.73	14.70	7.44						25
				2	721027	0	7.99			8.52	17.31	10.31						
						0	8.21	92.80	235.62	7.62	16.00	8.87						25
400	16	4	2	1	740404	0	5.67	2.00	42.83	0.67	1.30	0.75						55
				2	761203	0	4.83	1.00	76.24	1.24	2.48	1.38						40
				3	790727	0	6.66	2.80	58.72	0.99	2.14	1.13						15
				4	791011	0	6.14	1.60	44.11	0.70	1.33	0.86						20
						0	5.82	1.85	55.47	0.90	1.81	1.03						33
401	20	5	2	1	770418	0		1.70	16.30	0.49	1.00	0.40	1.70	0.20	3.10	2.30		25
				2	770511	0		2.20	18.70	0.40	0.89	0.36						30
				3	770525	0		1.60	20.00	0.49	1.30	0.40	1.60	0.20	3.10	2.20		40
				4	770620	0		0.50	30.00	0.39	0.85	0.40	1.60	0.20	2.90	2.70		20
				5	771024	0		1.40	21.00	0.38	0.90	0.35	1.40	0.20	2.60	1.50		25
				6	771115	0		2.10	17.60	0.38	0.80	0.40	1.50	0.20	2.60	2.00		35
				7	771206	0		0.50	15.70	0.39	0.90	0.40	1.50	0.10	2.40	1.80		15
				8	771216	0		1.00	17.20	0.42	1.00	0.40	1.50	0.10	2.40	1.70		25
				9	770222	0		0.90	16.30		1.00		1.50	0.10	2.50	2.50		40
				10	790621	0	6.00											
				11	790629	0	5.80											
				12	790705	0	6.10											
				13	790710	0	6.20											
				14	790719	0	6.20											
				15	790725	0	6.20											
				16	790802	0	6.30											
				17	790807	0	6.40											
				18	790822	0	6.10											
				19	790907	0	6.30											
				20	790911	0	6.20											
				21	790920	0	6.20											
				22	791003	0	6.30											
				23	791010	0	6.20											
				24	791025	0	6.40											
				25	791120	0	6.20											
				26	791122	0	6.40											
				27	791218	0	6.20											
				28	800104	0	6.40											
				29	800115	0	6.20											
				30	800122	0	6.00											
				31	800131	0	6.00											
				32	800206	0	6.00											
				33	800303	0	6.30											
				34	800308	0	6.00											

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
401	20	5	2	35	800414	0	6.10											
				36	800503	0	6.00											
				37	800513	0	6.00											
						0	6.17	1.32	19.20	0.42	0.96	0.39	1.54	0.16	2.70	2.09		28
402	16	1	2	1	800423	0	7.81	121.90	337.62	15.60	31.29	18.85						40
403	13	3	2	1	780911	0	7.73	23.20	192.31	4.86	16.84	1.60						30
404	10	3	2	1	670722	0	6.30	2.40	20.10	0.47	1.70	0.10	2.80	0.10	3.20	1.90		
				2	800715	0	6.30	3.00	20.00		1.40	0.33	1.80	0.10	2.60	2.50		50
						0	6.30	2.70	20.05	0.47	1.55	0.21	2.30	0.10	2.90	2.20		50
405	16	3	2	1	800627	0	6.37	5.40	33.41	1.01	3.01	0.60						50
406	7	3	1	1	730701	0	6.95	7.00	28.00	0.80	2.50				3.50		8.50	
407	6	4	2	1	710720	0	6.20	2.40	37.20		1.10	0.50	4.50		7.20	2.70		
408	7	5	1	1	730501	0	6.30	2.00	30.00	0.40	1.00				10.00		2.44	
409	7	6	2	1	760820	0	6.60	9.00	46.80	1.90	3.60				6.00			
				2	760801	0	6.80	9.00	46.80	1.60	3.30				6.00			
						0	6.70	9.00	46.80	1.75	3.45				6.00			
410	4	3	2	1	8011	0	5.70	1.00	20.00		1.10	0.42	1.70	0.30	2.20	2.50		100
411	7	4	1	1	720801	0	6.85	6.00	50.00	1.20	1.50				9.00		7.30	
412	10	1	2	1	720822	0	7.50	17.80	62.00	2.11	3.50	3.00	3.70	0.20	6.40	4.60	21.70	40
				2	720822	20	7.16		61.00									30
				3	720822	28	7.02		61.00									25
				3	801023	0	7.30	14.10	58.00		3.50	2.50	3.40	0.10	5.20	2.80		30
				3	801023	0	7.40	19.40	60.00		3.50	2.80	3.60	0.10	5.50	2.80		30
				4	730811	0	7.50		58.00									40
				4	801023	10	7.20	16.60	60.00		3.30	2.70	3.60	0.10	6.00	2.80		35
				5	730811	17	7.41		58.00									40
				5	801023	20	7.30	18.40	60.00		3.50	2.80	3.50	0.10	6.00	2.80		35
				6	730811	27	7.17		59.00									30
						12	7.30	17.26	59.70	2.11	3.46	2.76	3.56	0.12	5.82	3.16	21.70	34
413	16	3	2	1	800217	0	6.03	2.40	90.91	1.33	2.46	1.65						80
414	7	3	2	1	720601	0	5.95	1.50	13.00	0.40	0.80				2.90		1.20	
415	7	4	2	1	730301	0	6.25	3.00	32.00	0.60	1.00				7.50		3.66	

Table 1. (Cont'd.)

IDEN	SUBH AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
416	7	6	1	1	721001	0	5.14	0.00	18.00	0.70	1.50				3.50			
417	16	1	2	1	740529	0	7.13	64.30	152.00	6.79	18.75	5.15	5.10		8.80	5.00		30
418	7	6	1	1	770808	0	6.40	4.00	208.00	3.00	2.30				48.00			
				2	771006	0	6.30	3.00	135.20	5.00	1.60				41.50			
				3	771006	0	6.30	3.00	83.20	1.60	1.60				10.00			
						0	6.33	3.33	142.13	3.20	1.83				33.17			
419	7	3	1	1	720501	0	6.22	1.00	22.00	0.40	0.70				5.50			
420	7	4	1	1	720501	0	5.79	4.00	28.00	0.70	1.50				6.50		4.70	
421	7	4	1	1	720501	0	6.25	4.00	32.00	0.55	1.30				9.50		4.90	
422	20	2	2	1	800508	0	7.56	30.30	72.11	3.45	9.46	2.61						20
				2	800609	0	7.44	18.70	56.09	1.88	5.57	1.17						40
				3	800709	0	7.04	18.80	62.83	2.37	7.31	1.31						20
				4	800721	0	7.38	15.80	59.43	2.83	8.70	1.58						30
				5	800729	0	7.28	15.50	58.56	2.38	7.32	1.31						30
				6	800802	0	7.03	23.70	61.88	2.51	7.66	1.38						20
				7	800903	0	6.71	22.00	60.00	2.46	7.60	1.34						40
				8	800912	0	7.29	26.00	60.00	2.94	9.12	1.55						30
				9	800925	0	7.15	23.60	50.00	2.32	7.10	1.31						30
						0	7.21	21.60	60.10	2.57	7.76	1.51						29
423	4	2	2	1	8011	0	6.00	2.80	30.00		2.70	0.70	2.20	0.50	2.50	5.30		100
424	7	2	1	1	790731	0	6.00	2.00	17.00	0.80	0.70				2.50			
				2	790731	0	5.80	3.00	17.00	0.80	0.70				2.00			
				3	790731	0	6.10	4.00	19.00	0.80	1.10				2.50			
				4	790731	0	6.10	4.00	20.00	0.80	1.10				2.50			
						0	6.00	3.25	18.25	0.80	0.90				2.38			
425	7	2	1	1	7408	0	6.10	4.00	13.00	0.60						1.50		
426	4	2	2	1	8011	0	6.70	4.40	21.00		1.60	0.41	1.40	0.10	2.30	2.00		10
427	16	4	2	1	740514	0	5.56	1.00	40.00	0.58	1.40	0.53	4.00		6.50			20
428	7	6	1	1	721001	0	6.45	4.00	36.00	1.20	1.10				8.00		4.90	
429	10	1	1	1	7207	0	7.22		62.00									25
430	4	3	2	1	8011	0	6.20	3.60	17.00		1.10	0.27	1.50	0.10	1.70	1.90		25

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
432	6	3	1	1	770622	0	5.64	1.60			1.08	0.45	3.16		13.40	1.90		
				2	770728	0	5.68	1.20			1.14	0.49	2.37		10.90	1.35		
				3	770908	0	5.60	0.80			1.27	0.50						
				4	771003	0	5.85	1.80			1.28	0.45						
				5	771103	0	5.76	1.20			1.00	0.53	2.56		14.20	5.70		
				6	780223	0	5.85	1.40				0.43			8.03			
				7	780320	0	6.02	1.00				0.49			7.66			
				8	780419	0	6.09					0.44			10.20			
				9	780529	0	5.65	1.60				0.46			7.00			
				10	780628	0	4.45	1.00				0.44			7.50			
				11	780817	0	6.10	3.80				0.82			13.00			
				12	781004	0	5.95	1.00				0.54			11.90			
				13	781206	0	5.30	1.40				0.51			9.53			
				14	790116	0	5.70	2.80				0.49			11.30			
				15	790208	0	5.85	1.60			1.44	0.48			8.44			
				16	790307	0	5.60	2.20				0.47	2.43		10.00			
				17	790410	0	6.15	1.10				0.41	2.33		9.00	2.00		
				18	790502	0	5.13	1.60				0.43			8.00			
				19	790606	0	6.31	2.20				0.43			11.00			
				20	790717	0	5.20	0.80	24.80			0.46			7.00			
				21	790815	0	6.39	3.40	26.20		1.26	0.54	2.81		11.00	4.00		
				22	790912	0	5.87	2.00	26.80							4.00		
				23	791024	0	6.52	1.80	27.80		1.48	0.47			8.00	2.60		
				24	791121	0	6.24	1.50	28.80				2.35		8.00	5.00		
				25	800117	0	6.29	2.40	25.90		1.25	0.47			6.00	5.00		
				26	800207	0	6.50	2.40	26.90						6.00	5.00		
				27	800429	0	6.29	3.80	23.31		1.30	0.41	3.06		7.00	5.00		
				28	800523	0	5.58	1.70	23.90						6.00	5.00		
						0	5.84	1.82	26.05		1.25	0.48	2.63		9.20	3.88		
433	7	3	1	1	780801	0	6.20	2.00	15.00	4.50	0.90				3.30		2.40	
434	7	3	1	1	800628	0	6.00	1.00	19.00	0.40	0.70	0.57			10.00	2.00		
				2	800725	0	6.10	1.50	21.00	0.50	1.00	0.54			7.50	2.00		
				3	800905	0	5.99	1.70	20.00	0.40	0.80				8.50			
						0	6.03	1.40	20.00	0.43	0.83	0.55			8.67	2.00		
436	7	4	2	1	730301	0	5.65	2.00	27.00	0.60	0.50				8.00		2.44	
437	7	3	1	1	730601	0	5.80	2.00	14.00	0.40	0.90				2.00		2.44	
438	10	3	2	1	660831	0	6.60	3.50	35.50	0.70	0.80	1.20	3.80	0.20	5.90	1.60		
				2	800715	0	6.70	7.50	39.00		1.60	0.69	4.00	0.10	6.30	2.50		20
						0	6.65	5.50	37.25	0.70	1.20	0.94	3.90	0.15	6.10	2.05		20
439	6	4	2	1	710813	0	5.70	3.40	42.80		1.20	0.80	5.50		8.70	2.70		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
440	7	4	2	1	720601	0	6.20	3.00	41.00	0.60	0.70				9.00		3.70	
441	10	3	2	1	670612	0	6.50	3.50	28.90	0.70	2.50	0.20	2.80	0.10	4.50	3.00		
				2	800521	0	6.60	4.20	32.00		1.90	0.47	3.00	0.20	4.40	2.10		30
				3	800621	0	6.30	4.50	33.00		2.00	0.50	3.10	0.20	4.70	3.50		30
				4	800715	0	6.60	5.60	30.00		1.90	0.47	2.90	0.30	4.10	2.50		35
				5	800909	0	6.40	6.80	36.00		1.90	0.58	3.70	0.40	5.70	2.50		50
				6	801009	0	6.80	7.30	32.00		2.00	0.52	3.10	0.40	5.00	2.60		35
						0	6.53	5.32	31.98	0.70	2.03	0.46	3.10	0.27	4.73	2.70		36
442	7	4	2	1	730501	0	6.30	2.00	63.00	1.00	2.50				17.50		2.44	
443	6	4	1	1	770630	0	4.80	0.80			1.04	0.60	5.22		18.95	4.78		
				2	770822	0	5.70	0.20	41.00		2.46	0.67	4.96		14.00	4.10		
				3	770928	0	5.60				1.49	0.68						
				4	771027	0	5.27	1.00			1.67	0.60	5.34		17.00	1.00		
				5	771128	0	4.50	1.00			1.02	0.56	3.87		11.30	1.20		
				6	780105	0	5.05					0.69			10.80			
				7	780306	0	5.80	1.20				0.64			11.50			
				8	780417	0	5.10	1.00				0.51			10.70			
				9	780606	0	5.25	3.00				0.44			11.70			
				10	780712	0	4.95	2.00				0.65	3.83		10.10			
				11	780930	0	5.80	3.60				0.62			15.30			
				12	781019	0	5.66	1.00				0.66			11.80			
				13	790108	0	5.25	1.00			1.29	0.59	4.13		12.00	5.00		
				14	790108	0	5.35	1.00			1.25	0.61	5.74		12.00	5.00		
				15	790213	0	5.10	2.20				0.56			12.10			
				16	790522	0	5.80	3.40				0.51			17.00			
				17	790626	0	6.30	2.80				0.57			11.00			
				18	790730	0	5.80	1.60				0.56			11.00			
				19	790830	0	6.30	5.60	33.02		1.29	0.52	3.84		10.00	3.00		
				20	790921	0	5.50	1.00	32.50						10.00	5.00		
				21	791108	0	5.88		39.70		1.45	0.53			11.00			
				22	791212	0	5.80	1.30	37.90				3.72		9.00	6.00		
				23	800124	0	5.50	1.00	37.10		1.07				9.00	5.00		
				24	800219	0	5.00	1.00	39.30		1.18	0.57			9.00	5.00		
				25	800508	0	6.00	1.10	28.00		0.89	0.40			8.00	5.00		
						0	5.48	1.72	36.06		1.34	0.58	4.52		11.84	4.17		
444	7	4	1	1	720501	0	6.24	2.00	27.00	0.45	1.10				7.00		2.40	
445	7	6	1	1	721001	0	6.30	5.00	32.00	1.00	1.20				6.50		6.10	
446	4	3	2	1	8011	0	6.60	2.20	19.00		1.50	0.33	1.50	0.10	2.20	2.10		40
447	4	2	2	1	8011	0	6.20	6.70	20.00		1.50	0.38	1.50	0.20	1.90	2.00		30

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
448	16	4	2	1	790928	0	5.61	1.00	49.45	0.68	1.37	0.78						40
449	10	1	1	1	7207	0	7.26		50.00									55
450	13	2	2	1	800428	0	6.83	7.90	60.20	1.71	5.84	0.63						50
				2	800428	0	6.97	7.00	62.46	1.66	5.61	0.63						40
						0	6.90	7.45	61.33	1.68	5.72	0.63						45
451	7	4	1	1	800619	0	6.48	4.00	32.00	1.00	1.60				7.00			
				2	800725	0	7.18	10.00	42.00	1.40	3.20				10.00			
						0	6.83	7.00	37.00	1.20	2.40				8.50			
451	7	4	2	1	750915	0	6.70	6.00	80.30	1.00	2.40				18.50			
				2	751029	0	6.70	6.00	70.68	1.30	2.20				17.00			
				3	750604	0	7.00	4.00	74.73	1.10	1.20				18.00			
				4	750728	0	7.00	7.00	83.74	1.10	2.80				19.00			
				5	750829	0	6.70	4.00	78.44	1.10	1.00				18.50			
						0	6.82	5.40	77.58	1.12	1.92				18.20			
452	7	4	1	1	730701	0	6.65	4.00	35.00		0.80				6.50		4.88	
454	7	5	1	1	730501	0	6.35	5.00	34.00	0.64	1.00				10.50		3.66	
455	7	4	2	1	720601	0	6.70	5.00	61.00	2.00	1.60				11.50		6.10	
456	6	4	2	1	710720	0	6.30	3.00	37.40		1.20	0.50	4.40		7.00	2.40		
457	10	1	2	1	720729	0	7.90	132.00	289.00	13.50	31.00	14.00	0.00	0.90	1.00	3.00	161.00	
				2	730808	0	7.70	138.00	285.00	12.77	32.50	13.80	6.10	0.80	11.00	5.00	168.00	20
				3	720818	16	7.70		180.00									30
						5	7.77	135.00	251.33	13.13	31.75	13.90	3.05	0.85	6.00	4.00	164.50	25
458	7	4	2	1	730301	0	6.70	7.00	135.00	1.60	5.40				46.50		8.54	
459	7	4	1	1	730701	0	6.95	6.00	46.00	0.80	1.50				8.50		7.32	
460	7	4	1	1	720601	0	6.25	1.00	42.00	1.00	1.80				11.50			
461	7	4	1	1	730701	0	7.20	8.00	84.00	0.90	1.50				18.00		9.76	
462	7	4	1	1	720601	0	6.36	1.00	30.00	0.55	0.90				7.30		1.20	
463	7	2	1	1	720801	0	6.80	6.00	20.00	0.80	1.50				3.00		7.30	
464	7	4	2	1	720501	0	5.58	0.70	25.00	0.50	0.90				6.30		1.50	

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
465	7	4	2	1	730601	0	6.16	2.00	32.00	0.71	1.00				7.40		2.40	
466	4	2	2	1	8011	0	6.40	4.70	21.00		0.72	0.46	2.00	0.20	3.60	2.00		10
467	13	3	1	1	800908	0	5.79	6.30	52.00	1.31	2.83	1.27						100
469	7	3	1	1	720801	0	6.78	6.00	23.00	0.80	1.80				3.50		7.30	
470	7	4	1	1	720601	0	6.60	4.50	36.00	6.50	2.80				7.30		5.50	
471	7	6	1	1	721001	0	6.38	8.00	43.00	1.60	3.50				6.00		9.80	
472	7	4	1	1	720901	0	6.18	3.50	35.00	6.50	0.70				7.30		4.30	
473	7	4	1	1	720401	0	6.20	2.00	28.00	0.65	1.15				6.30		2.40	
474	38	4	2	1	790329	0	5.47	1.00	49.80	0.63	1.11	0.79						35
475	38	4	2	1	790329	0	5.07	1.00	49.80	0.79	1.07	0.78						40
476	6	4	1	1	720105	0	5.60	3.20	51.40		1.30		6.40		10.20	2.10		
				2	720201	0	5.40	1.40	57.00		1.30		7.00		14.00	3.50		
				3	720301	0	5.60	2.80	56.30		1.40	1.01	7.10		13.00	3.10		
				4	720401	0	5.40	1.20	35.90		0.70	0.60	5.30		7.60	3.80		
				5	720501	0	5.70		39.10		0.70	0.70	5.00		8.60	3.70		
				6	720601	0	5.70	1.80	34.50		0.65	0.60	4.70		7.20	3.30		
				7	720701	0	5.90	2.60	39.90		0.50	0.60	5.30		7.80	2.50		
				8	720801	0	6.10	3.30	44.60		0.90	0.70	5.60		9.00	3.00		
				9	720901	0	6.00	1.10	40.10		1.00	0.80	5.30		8.70	5.30		
				10	721002	0	5.90	3.70	39.90		1.00	0.70	5.80		8.80	2.40		
				11	721101	0	5.80	1.40	40.10		1.00	0.80	5.70		9.70	2.90		
				12	721201	0	5.20	1.00	56.90		1.10	1.10	7.10		13.00	3.70		
				13	730101	0	5.20	1.00	71.20		1.40	1.40	8.10		17.00	4.20		
				14	730201	0	5.50	1.40	60.80		1.30	1.20	7.80		14.00	3.50		
				15	730301	0	5.20	1.90	43.00		0.80	0.70	5.30		9.10	3.50		
				16	730402	0	5.50	1.90	44.50		0.90	0.80	5.30		10.10	1.30		
				17	730501	0	5.60	1.60	44.20		0.80	0.90	5.20		9.30	4.90		
				18	730601	0	5.70	2.00	43.80		0.90	0.80	5.60		8.90	5.60		
				19	730702	0	5.30	2.00	36.90		0.80	0.60	4.80		7.70	4.80		
				20	730801	0	5.90	2.60	39.00		0.90	0.70	5.10		7.80	1.00		
				21	730901	0	6.90	3.10	34.80		0.80	0.60	4.60		6.80	5.00		
				22	731001	0	6.00	2.50	38.80		0.80	0.70	5.10		7.70	3.00		
				23	731101	0	5.80	2.10	50.40		1.00	0.90	6.20		13.00	5.00		
				24	731201	0	4.70	1.00	52.70		1.10	1.00	6.40		13.00	5.00		
				25	740102	0	7.80	1.90			1.10	1.00	6.60		13.00	3.00		
				26	740201	0	5.70	3.00	64.00		1.60	1.30	8.50		17.00	6.00		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
476	6	4	1	27	740301	0	7.30	3.20	70.60		1.40	1.30	8.10		16.00	2.00		
				28	740401	0	4.60	1.00	77.20		1.60	1.50	9.60		20.00	5.00		
				29	740501	0	5.10	1.00	41.10		0.70	0.80			9.70	2.00		
				30	740601	0	5.20	1.00	42.60		0.90	0.80	5.70		9.20	2.00		
				31	740701	0	6.10	1.00			1.00	0.80	6.20		10.00	5.00		
				32	740814	0	5.40	3.60	45.00		1.00	0.80	6.40		9.90	5.00		
				33	740902	0	5.00	3.10	42.00		0.80	0.65	5.80		7.80	2.00		
				34	741001	0	5.70	2.20	37.30		0.50	0.65	5.30		8.50	2.00		
				35	741101	0	5.30	1.30	36.70		0.90	0.70	5.50		8.60	7.00		
				36	741209	0	5.40	4.90	41.20		0.90	1.00	5.70		9.30	5.00		
				37	750101	0	4.60		62.50		1.60	0.90	6.60		9.90	5.00		
				38	750128	0	5.90	2.80	47.90		1.00	0.85	6.10		10.00	2.00		
				39	750301	0	5.90	2.30	48.80		1.10	0.95	5.80		11.00	5.00		
				40	750401	0	6.40	3.30	59.40		0.70	0.85	7.00		11.00	4.00		
				41	750501	0	7.70	1.80	33.40		0.70	0.80	3.90		6.00	3.00		
				42	750602	0	7.20	1.60	43.20		0.90	0.82	6.20		10.00	2.00		
				43	750716	0	6.50	2.50	46.70		1.00	0.80	5.00		11.00	4.00		
				44	750814	0	5.90	4.40	44.60		1.00	0.90	6.60		11.00	2.00		
				45	750918	0	6.00	2.40	61.10		1.10	1.00	7.50		12.00	2.00		
				46	751001	0	5.90	2.70	62.00		1.00	0.95	6.90		11.00	2.00		
				47	751130	0	5.60	2.60	54.70		1.00	1.00	7.00		13.00	7.00		
				48	760106	0	5.40	1.40	57.30		1.20	8.00	6.40		14.00	7.00		
				49	760202	0	5.80	0.80	44.60		0.60	0.90	5.00		10.00	3.30		
				50	760301	0	5.60	1.20	50.10		1.10	0.90	6.60		11.10	2.40		
				51	760401	0	5.70	0.90	77.90		1.40	1.80	9.20		19.00	4.20		
				52	760430	0	5.60	0.50	59.00		1.00	1.20	8.00		14.00	5.00		
				53	760607	0	5.50	2.10	62.00		1.20	1.00			10.00	4.30		
				54	760712	0	5.60	3.80	57.00		1.20	1.00			10.00	3.90		
				55	760707	0	5.80	2.90	60.00		1.20	0.95			13.00	3.70		
				56	760818	0	6.20	2.40	50.32		1.20	1.00			13.00	3.60		
				57	760901	0	5.40	2.80	54.00		1.40	1.20			14.00	3.80		
				58	761101	0	5.90	0.50	72.00		1.40	1.30			18.00	3.20		
				59	761201	0	4.50	0.50	87.00		1.80	1.70			20.00	4.00		
				60	770629	0	5.20	1.30	65.10		1.00	1.00			14.00	5.20		
				61	770720	0	5.50	0.40			1.44	1.00				3.72		
				62	770831	0	6.70	3.60	66.00		1.30	1.00			15.00	2.80		
				63	770916	0	5.80	1.20	62.00		1.30	1.10			17.00	3.50		
				64	771006	0	5.50	0.50	58.00		1.10	1.10			15.00	3.50		
				65	771015	0	5.90	0.50	58.00		1.20	1.10			15.00	3.20		
				66	771101	0	5.90	0.50	52.00		1.20	1.00			15.00	3.00		
				67	771115	0	6.30	1.10	59.00		1.20	1.00			15.00	2.90		
				68	771201	0	5.80	0.50	60.00		1.20	1.10			16.00	3.50		
				69	771212	0	5.60	0.70	73.10		1.30	1.30			17.40	4.30		
				70	780102	0	5.00	0.50	55.00		0.90	0.90			12.00	4.20		
				71	780114	0	5.50	0.50	63.00		1.00	1.00			13.50	4.00		
				72	780202	0	5.40	0.70	47.20		0.80	0.80			10.70			

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
476	6	4	1	73	780213	0	6.30	1.30	56.40		1.10	0.90			12.00			
				74	780227	0	5.90	0.70	57.00		1.20	1.00			14.00	4.10		
				75	780313	0	5.90		59.30		1.20	1.10			14.00	3.70		
				76	780401	0	5.40	1.21	64.00		1.30	1.00			14.10	3.70		
				77	780414	0	5.60	0.50	63.00		1.00	1.00			11.50	3.70		
				78	780501	0	5.20	0.50	40.00		0.60	0.57			7.80			
				79	780515	0	5.80	1.00	37.00		0.60	0.50			6.00	3.30		
				80	780601	0	5.80	0.50	40.00		0.58	0.58			6.70	3.30		
				81	780615	0	5.90	1.00	40.00		0.65	0.58			8.50	3.00		
				82	780701	0	6.10	2.00	50.00		0.90	0.68			10.00	3.20		
				83	780714	0	6.00	1.50	44.00		0.51	0.71			9.70	2.70		
				84	780731	0	6.60	0.80	46.00		1.00	0.65			8.70	2.60		
				85	780815	0	6.40	6.40	52.00		1.10	0.80			4.50	2.50		
				86	780901	0	6.10	1.50	53.00		1.00	0.92			10.00	2.80		
				87	780915	0	3.90	0.50	158.00		1.20	1.00			11.00	5.50		
				88	780930	0	6.10	0.50	54.00		1.10	1.00			11.00	4.30		
				89	781014	0	6.10	0.50	56.00		0.90				14.00	3.80		
				90	781115	0	6.00	1.80	600.00		0.97	0.70			13.00	3.80		
				91	781201	0	5.90	1.40	64.00		1.00	0.83			14.00	7.00		
				92	781215	0	5.90	3.10	67.00		0.83	0.83			15.00	4.10		
				93	790101	0	5.40	0.50	61.00		0.97	0.83			13.00	4.80		
				94	790116	0	6.00	3.50	68.00		0.60	0.94			14.00	5.20		
				95	790131	0	5.10	0.50	43.00		1.00	0.57			8.50	4.30		
				96	790214	0	5.20	1.10	56.00			0.85	4.50		10.80			
						0	5.74	1.77	59.53		1.03	0.99	6.18		11.58	3.74		
477	38	4	1	1	790329	0	5.01	1.00	49.96	0.72	1.52	0.79						35
478	7	5	1	1	730501	0	6.35	3.00	26.00	0.50	1.00				8.00		3.66	
479	7	4	1	1	740625	0	6.60	3.00	28.00	0.64								
				2	740710	0	6.50	4.80	27.00	0.68								
				3	740717	0	6.60	4.60	28.00	0.60								
				4	740730	0	6.30	5.00	30.00	0.60								
				5	740812	0	6.90	4.40	32.00	0.60								
				6	740827	0	6.40	5.60	26.00	0.62								
						0	6.55	4.57	28.50	0.62								
480	6	4	1	1	770917	0	5.95	2.20			3.64	0.90	5.29		15.60	2.90		
				2	780110	0	5.95	0.40				0.75			12.00			
				3	780315	0	6.13	0.40				0.81			12.80			
				4	780517	0	5.85	2.60				0.52			10.20			
				5	780615	0	5.59	28.00				0.59			9.70			
				6	780726	0	5.70	2.80				0.82	4.75		11.08			
				7	780907	0	5.65	1.60				0.73			11.45			
				8	781013	0	5.75	1.00				0.63			10.72			

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
480	6	4	1	9	790104	0	5.40	1.00			1.57	0.87	4.94		15.00	2.00		
				10	790206	0	5.70	1.80			1.84	0.63			17.46			
				11	790312	0	5.65	1.00				0.64			13.00			
				12	790419	0	6.16	2.20				0.63			13.00			
				13	790531	0	6.52	2.80				0.63			13.00			
				14	790716	0	6.49	2.20				0.70			13.00			
				15	790827	0	6.26	1.40	34.62		1.75	1.03	9.05		11.00	2.00		
				16	790918	0	6.69	2.40	35.93						14.00	2.00		
				17	791031	0	5.97	2.20	36.70		1.59	0.63			8.00	40.00		
				18	791128	0	6.09	2.00	35.18				3.51		9.00	4.00		
				19	800129	0	6.18	2.50	41.98		1.69	0.76			11.00	5.00		
				20	800430	0			27.15									
				21	800526	0	6.18	1.60	42.71		1.21	0.49	3.86		8.00	5.00		
						0	5.99	3.10	36.32		1.90	0.71	5.23		11.95	7.86		
481	7	4	1	1	740625	0	6.90	4.00	32.00	0.70								
				2	740710	0	6.50	4.20	27.00	0.70								
				3	740717	0	6.50	4.20	29.00	0.60								
				4	740730	0	6.10	4.20	30.00	0.70								
				5	740812	0	7.10	5.00	35.00	0.70								
				6	740827	0	6.40	5.80	27.00	0.74								
						0	6.58	4.57	30.00	0.69								
482	7	4	1	1	800701	0	6.20	2.00	26.00	0.60	1.30	0.56			9.00	2.00		
				2	800801	0	6.24	2.00	26.00	0.50	1.70	0.56			9.00	3.00		
				3	800905	0	5.90	2.00	27.00	0.70	1.10	0.54			12.00			
						0	6.11	2.00	26.33	0.60	1.37	0.55			10.00	2.50		
483	16	2	2	1	770307	0	6.35	6.80	37.65	0.87	2.33	0.61						45
484	7	4	1	1	720801	0	6.76	5.50	56.00	0.80	0.80				13.00		6.50	
485	7	5	1	1	730701	0	6.05	2.00	15.00	0.60	1.00				4.50		2.44	
486	7	4	1	1	730501	0	5.70	1.00	29.00	0.60	0.90				6.50			
487	7	5	1	1	751021	0	6.00	0.40	26.00	0.78						1.50		
488	7	5	1	1	751021	0	5.80	1.80	31.00	0.74						0.60		
489	7	5	1	1	751021	0	5.50	0.80	22.00	0.74						0.20		
490	7	5	2	1	750513	0	6.60	10.00	20.50	0.60	1.00				4.50	1.54		
				2	750529	0	6.00	1.00	15.20	0.50	0.40				2.50	2.06		
				3	750611	0	6.50	4.00	35.60	0.70	2.00				6.00	2.80		
				4	750630	0	7.00	6.00	42.10	1.10	1.00				3.00	1.90		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
490	7	5	2	5	750715	0	7.00	9.00	49.00	1.50	4.30				6.00	5.70		
				6	750730	0	6.70	8.00	45.40	1.20	3.70				8.00	3.40		
				7	750813	0	6.80	9.00	46.90	1.20	3.20				7.50	1.80		
				8	750829	0	6.50	4.00	32.90	0.80	1.90				5.00	1.40		
				9	750915	0	6.70	5.00	36.80	1.10	2.50				12.00	1.60		
				10	750930	0	6.60	4.00	33.00	1.10	2.00				6.50	1.60		
				11	751015	0	6.30	2.00	26.20	0.70	1.50				2.50	1.05		
				12	751030	0	6.40	2.00	28.50	0.80	1.30				6.00	3.66		
				13	751112	0	6.50	4.00	31.10	1.00	1.80				5.50	0.73		
				14	751127	0	6.20	2.00	24.40	0.70	1.10				4.50	0.73		
				15	751215	0	6.10	2.00	26.40	0.70	1.30				5.00	1.05		
				16	751230	0	6.00	1.00	37.40	0.70	1.60				9.50	0.53		
				17	760115	0	6.10	2.00	74.29	1.20	1.70				22.00	0.51		
				18	760217	0	5.90	1.00	35.96	0.80	1.00				9.50	0.43		
				19	760315	0	5.90	2.00	38.88	0.60	1.60				10.00	0.43		
				20	760421	0	6.40	2.00	53.20	0.60	1.60				11.00	0.80		
				21	760525	0	6.20	2.50	38.88	0.60	1.60				9.50	1.35		
				22	760616	0	6.10	3.00	39.78	0.60	2.00				9.50	1.35		
				23	760721	0	6.20	5.00	58.32	1.00	3.30				13.00	2.36		
						0	6.38	3.93	37.86	0.86	1.89				7.76	1.69		
491	10	1	2	1	720731	0	8.40		181.00									45
				2	720818	0	8.10		182.00									40
						0	8.25		181.50									43
493	7	4	2	1	730201	0	6.25	3.00	59.00	0.80	2.00				17.50		3.66	
494	7	4	1	1	730501	0	5.80	2.00	58.00	1.20	1.80				13.50		2.44	
495	7	3	1	1	720601	0	6.73	4.50	17.00	1.50	0.80				2.50		5.50	
496	7	4	1	1	730701	0	6.25	2.00	32.00	0.30	0.60				7.50		2.40	
497	4	3	2	1	8011	0	6.00	2.00	21.00		1.20	0.49	1.60	0.30	2.30	2.10		50
497	7	3	1	1	720801	0	6.76	5.00	39.00	0.75	1.20				7.00		6.10	
498	16	3	1	1	790720	0	7.12	6.00	128.86	2.36	6.92	1.42						20
499	7	5	1	1	721001	0	4.95	0.00	39.00	1.00	1.10				10.50			
500	7	3	1	1	720801	0	6.69	3.50	19.00	0.65	1.50				3.30		4.30	
501	16	3	1	1	800530	0	6.03	1.70	23.67	0.81	2.45	0.50						50
502	6	4	1	1	770630	0	5.40	1.40			1.32	0.48	4.75		11.93	1.59		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
502	6	4	1	2	770822	0	4.49	9.00			1.71	0.68	4.63		13.00	2.70		
				3	770928	0	4.44	8.00			2.31	0.77						
				4	771027	0	5.09	1.40			1.17	0.58	5.15		14.20	1.10		
				5	771128	0	5.13	0.60			0.88	0.51	3.56		11.30	1.00		
				6	780105	0	4.95	8.40				0.49			9.64			
				7	780306	0	6.00	2.20				0.71			11.50			
				8	780417	0	6.20	1.00				0.45			10.20			
				9	780606	0	5.20	36.00				0.48			8.16			
				10	780712	0	5.25	1.80				0.58	4.07		11.56			
				11	780831	0	5.85	1.40				0.56			13.27			
				12	781019	0	5.40	1.00				0.56			10.60			
				13	790108	0	5.40	1.00			0.99	0.60	4.11		12.00			
				14	790108	0	5.35	1.00			1.07	0.59	3.13		14.00	3.00		
				15	790213	0	5.25	1.60				0.53			12.05	5.00		
				16	790322	0	5.35	1.00				0.40			11.00			
				17	790422	0	5.07	1.00				0.56			14.00			
				18	790626	0	8.00	1.40				0.52			10.00			
				19	790725	0	6.23	2.20				0.46			9.00			
				20	790824	0	6.12	1.40	29.43		0.81	0.44	2.08		9.00	4.00		
				21	790926	0	5.27	1.00	22.47						10.00	5.00		
				22	791107	0	5.95		32.73		0.90	0.44			8.00	2.60		
				23	791212	0	5.93	1.00	35.18				3.53		10.00	4.00		
				24	800123	0	5.32	1.00	38.98		0.84	0.72			10.00	5.00		
				25	800318	0	5.16	1.00	39.18		1.01	0.54			9.00	5.00		
				26	800508	0	6.45	1.10	25.64		0.78	0.36			9.00	5.00		
						0	5.55	3.52	31.94		1.15	0.54	3.89		10.90	3.46		
503	7	3	1	1	730701	0	6.70	6.00	22.00	0.40	0.90				3.50		7.32	
504	7	3	1	1	730601	0	5.45	1.00	13.00	1.40	0.60				1.50			
505	16	3	2	1	800318	0	5.49	2.20	37.69	0.91	1.86	1.05						30
514	16	3	2	1	750310	0	5.37			0.49	1.33	0.34						50
515	16	3	2	1	721205	0	7.30		55.00	0.54	0.87	0.81			8.80			
516	6	3	2	1	710106	0	5.80	1.70	45.00		0.80	0.90	6.20		11.30	2.40		
517	16	3	2	1	720912	0	5.57		38.00	0.15	0.60	0.50			7.70			
				2	800401	0	6.13	1.60	41.13	0.79	1.44	0.90						50
						0	5.85	1.60	39.56	0.47	1.02	0.70			7.70			50
518	40	3	1	1	781117	0	6.43	3.20			2.13	0.41	2.14		4.31			
519	[illegible]	5	1	1	730501	0	6.70	4.00	25.00	3.55	1.20				1.50		4.88	

Table 1. (Cont'd.)

IDEN	SUBH AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
520	7	4	1	1	720901	0	5.95	2.00	27.00	0.55	0.70				7.00		2.50	
521	7	4	2	1	720501	0	5.73	1.00	25.00	0.50	0.60				7.00			
522	10	3	2	1	670710	0	6.20	3.80	30.60	0.64	2.20	0.20	2.70	0.20	3.80	2.00		
				1	690710	0	6.00	3.20	25.30	0.64	1.66	0.27	2.35		3.20	2.40		
				2	800715	0	5.80	2.60	20.00		0.95	0.34	2.00	0.10	2.60	2.80		100
						0	6.00	3.20	25.30	0.64	1.60	0.27	2.35	0.15	3.20	2.40		100
523	7	4	1	1	730701	0	6.80	4.00	35.00	0.60	0.90				7.00		4.88	
524	7	4	2	1	730301	0	6.90	6.00	16.00	1.20	3.30				18.00		7.32	
525	7	4	2	1	720501	0	6.30	2.00	25.00	0.60	0.80				6.50		2.40	
526	10	1	2	1	730622	0	5.30		18.00									20
527	33	1	1	1	800919	0	7.97	48.60	120.00	5.35	17.16	2.32						120
528	16	1	2	1	800423	0	7.79	61.30	236.81	9.91	19.88	11.99						50
529	10	1	2	1	730726	0	6.35	4.20	30.00	0.73	2.00	0.60	2.50	0.30	4.10	2.00	5.10	20
530	7	1	1	1	720501	0	7.90	76.00	137.00	9.00	13.00				10.00		92.70	
531	13	2	1	1	800613	0	5.87	16.30		0.27	0.60	0.21			0.49			15
532	6	4	2	1	700615	0	5.60	2.20	35.70	0.52	1.10		4.50		7.60	2.70		
				2	700615	0	5.70	2.50	35.10	4.90	1.00		4.60		8.00	2.10		
				3	700615	0	5.50	1.20	33.00	0.43	0.90		4.10		7.00	2.50		
						0	5.60	1.97	34.60	1.95	1.00		4.40		7.53	2.43		
533	7	4	3	1	720101	0	5.60	1.00	52.00	0.60					13.50			
534	7	4	2	1	750224	0	6.40	4.00	62.40	0.60	0.40				9.00		4.90	
				2	750226	0	6.40	7.00	68.64	1.20	2.50				16.00		8.50	
				3	750325	0	5.50	2.00	101.76	1.00	1.00				28.50		2.40	
				4	750408	0	5.90	1.00	47.00	0.60	0.40				14.00		1.00	
				5	750421	0	5.60	1.00	49.82	0.60	0.70				13.50		1.00	
				6	750520	0	5.70	1.00	42.18	0.40	0.60				10.50			
				7	750620	0	6.00	2.00	39.22	0.50	0.60				8.00			
				8	750721	0	5.80	1.00	35.84	0.60	0.60				6.00			
				9	750819	0	6.00	2.00	35.56	0.50	1.00				9.00			
				10	750919	0	6.00	2.00	37.40	0.50	0.90				9.00			
				11	751020	0	6.00	1.00	38.76	0.60	0.90				10.00			
				12	751120	0	5.80	1.00	38.50	0.60	0.60				9.00			

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
534	7	4	2	13	751219	0	5.80	1.00	47.52	0.70	0.90				11.00			
				14	760319	0	5.90	1.00	48.60	0.80	0.60				12.50			
				15	760219	0	5.70	1.00	43.20	0.70	0.70				12.00			
				16	760121	0	5.60	1.00	48.72	0.60	0.60				11.00			
						0	5.88	1.81	49.07	0.66	0.81				11.81		3.56	
535	7	5	1	1	730501	0	6.05	3.00	12.00	0.30	0.50				4.00		3.66	
536	6	5	1	1	771118	0	5.90	1.60			3.71	0.47	2.82		8.50	2.90		
				2	780111	0	5.90	0.60				0.49			9.60			
				3	780316	0	5.10					0.95			11.50			
				4	780516	0	6.20	2.20				0.28			8.90			
				5	780614	0	5.60	30.80				0.33			5.40			
				6	780726	0	5.60	2.80				0.46	2.81		8.40			
				7	780906	0	5.70	3.80				0.52			14.00			
				8	781012	0	5.60	1.00				0.34			10.70			
				9	790104	0	5.40	1.00			1.55	0.64	4.57		14.00	3.00		
				10	790206	0	5.70	1.40			0.86	0.34	0.46		9.64			
				11	790312	0	5.20	1.00				0.28			13.00			
				12	790418	0	6.20	1.60				0.34			1.00			
				13	790531	0	6.90	3.60				0.38	2.07		9.00			
				14	790716	0	6.70	4.80				0.53			10.00			
				15	790822	0	6.40	1.20			0.89	0.37			10.00			
				16	790918	0	6.90	0.34					1.82		10.00	2.00		
				17	791031	0	6.00	1.00			0.87	0.32			6.00	2.60		
				18	791128	0	5.90	1.80							7.00	5.00		
				19	800129	0	5.80	1.90			1.31	0.44			10.00	5.00		
				20	800221	0	6.30	2.90							8.00	5.00		
				21	800430	0	5.60	1.00			0.56	0.17			5.00	5.00		
				22	800528	0	6.10	7.80							6.00	5.00		
						0	5.94	3.53			1.39	0.42	2.42		8.89	3.94		
537	16	5	2	1	750512	0	4.56		36.47	0.35	0.70	0.35						40
				2	780421	0	5.12	1.20	55.20	0.62	1.14	0.73						50
						0	4.84	1.20	45.83	0.48	0.92	0.54						45
538	7	4	1	1	720901	0	6.33	3.50	36.00	0.80	1.30				8.00		4.30	
539	7	4	2	1	720101	0	6.38	4.00	52.00	0.95					9.50			
				2	760723	0	6.10	2.00	47.84	0.80	1.20				8.00			
						0	6.24	3.00	49.92	0.87	1.20				8.75			
540	7	6	1	1	721001	0	8.00	76.00	132.00	8.00	11.50				5.00		92.70	
541	7	4	2	1	720101	0	5.81	2.30	28.00	0.63	1.10				8.80		2.80	

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	Cl	SO4	HCO3	COL
542	20	1	2	1	800721	0	7.79	87.20	162.36	8.96	27.67	4.96						10
543	7	4	1	1	720901	0	6.27	3.00	32.00	0.60	1.10				7.80		3.70	
544	7	4	1	1	730501	0	5.75	1.00	42.00	1.10	1.00				11.00			
				1	800822	0	6.10	1.00	28.00	0.80	1.00				10.50			
				2	800520	0	6.21	1.50	32.00	0.60	0.70				13.50			
				3	801020	0	5.90	1.80	38.00	0.60	0.60				12.50			
						0	5.99	1.32	35.00	0.77	0.82				11.88			
546	7	5	1	1	730501	0	6.65	6.00	40.00	0.90	1.80				12.00		7.32	
547	7	6	1	1	721001	0	7.95	70.00	127.00	6.20	11.50				5.00		85.40	
548	7	6	1	1	721001	0	7.80	52.00	105.00	5.80	11.00				7.00		63.40	
549	10	3	2	1	670827	0	6.80	8.20	78.20	2.28	7.30	1.10	5.80	0.40	14.00	7.10		
				2	800506	0	6.50	8.20	174.00		6.20	0.92	24.00	0.50	39.50	4.30		30
				3	800621	0	7.00	9.40	178.00		7.20	1.00	26.00	0.50	38.00	5.30		15
				4	800715	0	7.00	12.40	177.00		7.00	1.00		0.40	46.00	5.00		15
				5	800909	0	7.10	10.20	122.00		5.60	0.89	16.00	0.40	25.00	4.20		60
				6	801009	0	7.30	16.10	112.00		5.40	0.88	17.00	0.40	23.00	4.30		30
				7	801128	0	7.40	21.10	140.22		5.90	0.87	22.00	0.40	25.50	3.50		60
						0	7.01	12.23	140.20	2.28	6.37	0.95	18.47	0.43	30.14	4.81		35
550	7	5	1	1	730501	0	6.15	2.00	11.00	0.60	1.00				2.50		2.44	
551	6	5	1	1	720201	0	5.80	2.60	28.50		1.50	0.55	3.10		5.40	2.40		
				2	720301	0	5.70	2.10	27.20		1.60	0.50	2.90		5.20	3.30		
				3	720401	0	5.70	2.50	16.90		1.20	0.30	2.70		3.00	2.50		
				4	720501	0	5.40	2.20	18.40		1.00	0.30	2.00		2.60	2.20		
				5	720601	0	4.70	1.00	26.10		1.40	0.30	1.80		2.70	6.40		
				6	720704	0	6.30	4.40	24.60		1.50	0.40	1.80		3.60	2.10		
				7	720801	0	6.70	6.70	28.20		2.00	0.50	2.30		3.20	1.70		
				8	720901	0	6.30	4.50	33.30		2.80	0.60	2.30		3.10	6.90		
				9	721002	0	7.00	5.70	25.80		2.10	0.50			3.10			
				10	721101	0	6.10	4.60	21.80		1.60	0.40			3.40			
				11	721201	0	5.60	2.30	24.10		1.40	0.70			4.00			
				12	730103	0	6.00	2.20	41.80		2.20	6.66			8.00			
				13	730202	0	6.10	4.60	35.30		2.40	0.60	4.00		5.30	2.20		
				14	730301	0	5.90	3.20	24.20		1.50	0.40	3.50		3.70	2.70		
				15	730405	0	5.88	3.70	38.90		2.10	0.60	2.30		6.10	3.20		
				16	720501	0	5.80	4.30	20.00		1.30	0.30	3.70		2.30	1.30		
				17	730601	0	5.90	3.70	22.90		1.50	0.40	1.50		3.10	2.00		
				18	730701	0	6.00	1.80	22.70		1.50	0.40	2.00		3.20	5.00		
				19	730801	0	6.10	3.40	23.80		1.80	0.46	2.20		2.70	5.00		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
551	6	5	1	20	730831	0	6.40	4.90	22.80		1.60	0.50	2.00		2.60	2.00		
				21	731001	0	6.30	5.60	26.30		2.00	0.50	2.00		3.50	3.00		
				22	731031	0	7.10	3.20	20.20		1.40	0.40	1.90		3.20	5.00		
				23	731130	0	3.80	1.00	54.60		1.30	0.40	2.00		3.70	11.00		
				24	731231	0	5.90	4.50	28.50		2.10	0.50	2.50		4.10	2.00		
				25	740131	0	4.80	1.60	28.80		1.00	0.60	2.20		4.00	2.00		
				26	740228	0	7.10	4.30	32.80		1.90	0.60	3.20		4.20	3.00		
				27	740402	0	4.80	1.30	19.00		0.90	0.30	1.70		2.80	2.00		
				28	740501	0	5.90	2.00	17.40		1.00	0.30			2.40	2.00		
				29	740601	0	5.50	1.80	15.40		1.00	0.30	1.50		2.30	3.00		
				30	740701	0	6.60	3.50	21.00		1.70	0.40	2.00		2.70	2.00		
				31	740801	0	6.30	6.80	22.40		1.80	0.40	2.40		2.40	2.00		
				32	740902	0	6.00	8.90	27.00		2.30	0.60	2.40		2.70	2.00		
				33	741001	0	6.50	6.00	23.70		2.20	0.50	2.10		3.20	2.00		
				34	741101	0	6.60	2.40	24.40		1.80	0.40	2.00		3.20	2.00		
				35	750101	0	5.80	7.70	23.60		5.00	0.50	1.70		3.20	4.00		
				36	750202	0	6.60	3.60	27.90		2.00	0.50	2.20		3.40	4.00		
				37	750301	0	6.80	4.50	27.90		2.30	0.52	2.40		3.40	3.00		
				38	750401	0	6.20	0.50	21.30		0.90	0.40	1.90		3.00	4.00		
				39	750501	0	7.30	2.80	14.80		0.80	0.25	1.40		2.00	2.00		
				40	750601	0	6.60	1.60	20.00		1.30	2.20	1.50		2.50	2.00		
				41	750801	0	6.40	6.70	29.70		2.20	0.55	3.00		3.20	2.00		
				42	751001	0	6.50	4.10	31.40		2.20	0.50	2.90		0.30	2.00		
				43	751102	0	6.90	5.10	21.10		1.90	0.40	1.90		2.70	1.80		
				44	751231	0	6.20	3.50	22.50		1.50	0.50	2.20		3.40	1.60		
				45	760201	0	6.20	2.10	19.00		1.00	0.40	1.80		3.20			
				46	760301	0	6.80	1.40	27.50		1.50	0.50	2.80		5.20			
				47	760401	0	6.50	3.80	42.00		1.60	0.80	2.00		9.00			
				48	760501	0	6.30	1.40	26.40		1.20	0.30	1.50		5.50			
				49	760602	0	5.90	4.90			1.90	0.45	2.80		0.20	2.10		
				50	760731	0	6.30	6.60			2.20	0.50	3.70		0.40	1.90		
				51	760815	0	6.60	5.60			2.00	0.50	3.30		0.30	2.00		
				52	760815	0	6.80	7.10					3.60		0.30	0.00		
				53	760831	0	6.90	6.80			2.50	0.62	4.00		0.50	2.10		
				54	760930	0	6.50	3.60			2.25	0.57	3.30		0.30	2.00		
				55	761031	0	5.60	2.00			1.80	0.50	4.00		0.30	2.10		
				56	761201	0	7.30	7.40			0.30	3.20	3.10		0.20	3.06		
				57	770201	0	7.00	3.60			3.30	0.45	3.30		0.20	2.70		
				58	770301	0	6.20	2.70			1.60	0.47	2.40		0.20	2.30		
				59	770331	0	6.00	2.20			1.30	0.40	2.10		0.20	2.00		
				60	770501	0	6.20	4.00			1.20	0.37	3.50		0.70	2.00		
				61	770601	0	7.30	3.30			1.40	0.40	2.50			2.00		
				62	770702	0	6.40				1.80	0.42				1.80		
				63	770714	0	6.50				2.30	0.92				2.10		
				64	770809	0	6.50				2.10	0.49				2.20		
				65	770920	0	6.30				2.10	0.49				2.20		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
551	6	5	1	66	771030	0	6.70	3.90			2.00	0.50	2.50		4.90	2.20		
				67	771116	0	6.80	5.90			2.30	0.55	2.90		5.00	2.10		
				68	771215	0	6.40	2.60			2.10	0.60	3.10		5.40	2.00		
				69	780131	0	6.30	2.00			1.40	0.40	2.40		4.00	1.50		
				70	780215	0	6.10	1.00			1.40	0.40	2.50		4.80	2.20		
				71	780318	0	6.80	4.50			2.00	0.47	3.00		4.70	3.50		
				72	780416	0	6.50	3.30			1.40	0.36	2.40			2.60		
				73	780602	0	6.70	2.50			1.40	0.32	2.10			1.90		
				74	780702	0	6.70	3.60			1.80	0.40	2.40		3.60	2.30		
				75	780916	0	6.90	2.10			2.20	0.50	3.00			2.40		
				76	781117	0	6.60	4.50			1.50	0.35	2.70			2.40		
				77	781215	0	6.90	4.20	28.00		1.40	0.35	2.50			1.90		
				78	781231	0	6.90	3.60	30.00		1.50	0.35	2.70		3.70	2.30		
				79	790114	0	6.90	3.00	33.00		1.30	0.44	3.30		5.50	2.40		
				80	790202	0	6.20	2.80	21.00		1.30	0.30	1.90		2.80	2.40		
				81	790216	0	6.40	1.70	25.00		1.60	0.35	2.30		3.80	2.30		
				82	790314	0	6.50	5.00	23.00		1.00	0.35	2.00		3.77	1.50		
						0	6.30	3.69	26.00		1.72	0.59	2.50		3.15	2.60		
552	7	2	1	1	720801	0	6.75	8.50	24.00	1.20	3.50				2.00		10.40	
553	10	1	2	1	720802	0	7.40		103.00									250
				2	720814	0	6.90	8.10	90.00	1.70	3.30	2.10	10.00	0.80	20.00	6.40	9.90	225
				3	801021	0	6.30	2.20	86.00		4.00	1.90	9.80	0.60	14.50			100
						0	6.87	5.15	93.00	1.70	3.65	2.00	9.90	0.70	17.25	6.40	9.90	192
554	10	1	2	1	720814	0	6.04	4.50	85.00	1.27	2.10	1.80	10.00	0.80	21.00	4.30	5.50	225
555	6	2	2	1	710415	0	7.10	12.50	44.70		4.60	0.80	2.30		2.50	4.80		
556	4	2	2	1	8011	0	6.00	1.47	25.00		1.10	0.44	2.40	0.10	3.60	2.30		20
557	7	1	1	1	720501	0	6.80	12.00	38.00	2.40	4.30				5.00		14.60	
558	7	4	1	1	720901	0	6.43	3.50	29.00	0.50	0.90				6.30		4.30	
559	7	4	1	1	730501	0	5.95	2.00	49.00	1.20	1.00				10.50		2.44	
560	7	4	1	1	800522	0	6.51	2.00	53.00	0.80	1.10				18.50			
				2	800822	0	6.28	2.00	31.00	1.00	1.20				13.00			
				3	801020	0	6.20	2.50	42.00	0.80	0.70				16.00			
						0	6.33	2.17	42.00	0.87	1.00				15.83			
561	7	3	1	1	730701	0	6.20	2.00	31.00	0.60	0.60				5.50			
562	7	2	2	1	730901	0	5.60	2.00	11.00	0.40	0.60				2.00			

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
563	7	5	1	1	730501	0	6.60	5.00	43.00	1.10	2.50				12.50		6.10	
564	33	6	2	1	780227	0	6.75	4.80	56.77	1.14	2.99	0.93						45
565	7	4	1	1	730401	0	6.35	2.00	33.00	0.80	1.20				7.50		2.44	
566	7	4	2	1	750224	0	6.50	11.00	322.40	3.20	9.90				54.50		13.40	
				2	750226	0	6.70	12.00		22.80	29.30				28.00		14.60	
				3	750324	0	7.00	10.00	805.60	6.00	16.00				23.00		12.20	
				4	750407	0	6.60	8.00	360.40	3.00	9.90				11.00		9.80	
				5	750421	0	6.70	6.00	203.30	2.80	5.00						7.30	
				6	750520	0	6.90	9.00	250.80	2.60	6.40				61.00			
				7	750620	0	6.90	12.00	272.43	3.50	9.00				87.50			
				8	750721	0	7.40	25.00	420.00	5.80	14.60				11.35			
				9	750819	0	8.00	16.00	275.60	3.90	9.70				70.50			
				10	750919	0	7.00	12.00	275.00	3.50	8.10				68.50			
				11	751020	0	6.90	10.00	193.80	2.60	6.00				50.00			
				12	751120	0	6.60	8.00	192.50	2.50	5.00				43.50			
				13	751219	0	6.70	6.00	189.00	2.20	7.00				51.00			
				14	760319	0	6.90	6.00	453.60	3.00	8.30				13.25			
				15	760219	0	6.80	12.00	345.60	3.60	6.00				11.00			
				16	760121	0	6.40	6.00	330.00	2.70	5.30				11.80			
						0	6.87	10.56	326.00	4.61	9.72				39.73		11.46	
567	16	5	2	1	800214	0	5.33	1.00	50.34	0.69	1.28	0.84						60
568	6	3	1	1	770602	0	5.70	0.80			1.11	0.93	3.33		7.60			
				2	770727	0	5.86	1.40			1.14	0.88	3.33		13.80			
				3	770907	0	6.50	4.80			1.76	1.01						
				4	771003	0	5.85	2.60			1.76	1.01						
				5	771102	0	5.65	1.20			1.34	0.98	3.16		7.10			
				6	771221	0	5.28	1.80				1.08	2.71		10.80			
				7	780223	0	5.80	2.40				1.02			15.30			
				8	780320	0	6.25	3.80				1.42			11.50			
				9	780419	0	5.86	1.60				1.00			11.20			
				10	780529	0	5.85	2.20				0.86			12.00			
				11	780628	0	5.65	1.20				1.05			10.80			
				12	780817	0	5.95	1.00				2.17			12.76			
				13	781004	0	6.60	4.60				1.66			15.56			
				14	781205	0	5.35	2.60				1.40			13.20			
				15	790115	0	5.35	3.40				1.22			14.80			
				16	790207	0	5.50	1.00			1.01	0.75			12.50			
				17	790207	0	5.80	1.60			1.32	0.75			13.30			
				18	790410	0	6.20	4.00				0.73	2.57		6.00			
				19	790502	0	5.30	14.00				0.89			10.00			
				20	790606	0	6.77	3.20				1.56			11.00			

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
568	6	3	1	21	790717	0	7.50	12.60				2.23			16.00			
				22	790814	0	7.10	13.80	63.20		3.24	2.41	4.75		17.00			
				23	790911	0	6.97	6.60	49.70						12.00			
				24	791024	0	6.17	3.60	41.30		1.81	1.02			11.00			
				25	791120	0	5.80	1.50	40.20				4.75		9.00			
				26	800116	0	5.96	2.20	67.40		1.41	1.15			14.00			
				27	800207	0	6.46	5.40	48.70						7.00			
				28	800429	0	6.10	1.50	23.10		0.95	0.64	3.06		7.00			
				29	800525	0	6.14	2.10	29.20						8.00			
						0	6.04	3.74	45.35		1.53	1.19	3.46		11.49			
569	7	3	1	1	730701	0	6.70	5.00	28.00	0.70	1.20				5.00			
570	7	6	1	1	800926	0	7.80	48.00	300.00	6.50	14.60				14.00			
571	7	6	1	1	800528	0	7.22	17.00	58.00	2.60	6.40				8.50			
				2	800530	0	7.90	36.00	110.00	5.40	9.80				10.00			
				3	800919	0	7.33	24.00	80.00	3.60	9.10				1.10			
						0	7.48	25.67	82.67	3.87	8.43				6.53			
572	7	4	2	1	750513	0	6.70	10.00	28.08	0.60	1.30				7.00	2.56		
				2	750529	0	6.50	3.00	41.23	0.70	1.60				7.00	4.70		
				3	750611	0	6.80	4.00	46.80	0.90	2.00				7.50	1.90		
				4	750630	0	6.80	4.00	38.80	0.80	1.30				7.50	3.70		
				5	750714	0	7.00	5.00	44.10	0.90	2.50				8.00	2.70		
				6	750730	0	6.90	6.00	42.56	0.90	2.20				8.00	4.50		
				7	750813	0	6.90	7.00	43.60	1.00	2.10				7.50	3.90		
				8	750828	0	6.50	4.00	40.81	0.90	1.30				8.50	2.50		
				9	750915	0	6.80	5.00	39.60	0.80	1.40				7.50	4.28		
				10	750930	0	6.80	5.00	41.80	1.00	2.10				7.50	3.96		
				11	751015	0	6.40	3.00	30.80	0.70	1.00				5.00	2.09		
				12	751030	0	6.50	3.00	35.30	0.60	1.30				6.50	4.18		
				13	751112	0	6.60	4.00	33.00	0.80	1.10				6.50	3.67		
				14	751127	0	6.50	3.00	34.40	0.70	0.80				6.50	0.73		
				15	751215	0	6.50	3.00	38.50	0.80	1.30				8.50	0.53		
				16	751230	0	6.30	3.00	50.60	0.90	1.90				7.00	0.53		
				17	760115	0	6.20	2.00	42.92	0.60	1.00				11.50	0.51		
				18	760217	0	6.30	2.80	74.24	1.40	24.00				21.00	0.43		
				19	760315	0	6.20	5.00	69.12	1.00	3.00				18.00	1.29		
				20	760421	0	6.10	3.00	110.76	1.20	3.70				22.50	3.40		
				21	760525	0	6.40	4.00	66.96	1.00	3.00				17.50	5.40		
				22	760616	0	6.30	1.00	63.24	1.00	3.00				17.00	3.60		
				23	760721	0	6.20	5.00	66.96	1.00	3.30				16.00	8.02		
						0	6.53	4.12	48.88	0.88	2.88				10.41	3.00		
573	6	5	1	1	771117	0	5.41	1.00			2.53	0.54	4.57		12.80	2.90		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
573	6	5	1	2	780111	0	5.85	0.60				0.76			14.50			
				3	780316	0	5.64	0.60				0.74			15.30			
				4	780516	0	6.10	5.20				0.39			11.50			
				5	780614	0	5.90	22.20				0.46			8.90			
				6	780726	0	5.40	1.20				0.57	4.22		9.64			
				7	780906	0	5.25	1.00				0.61			8.90			
				8	781012	0	5.20	1.00				0.46			13.30			
				9	790104	0	5.05	1.00			1.55	0.64	4.57		14.00	3.00		
				10	790206	0	5.20	1.00			1.13	0.47			12.10			
				11	790312	0	5.20	1.00				0.49			14.00			
				12	790418	0	5.82	1.40				0.48			11.00			
				13	790531	0	5.51	1.80				0.46			13.00			
				14	790716	0	6.05	1.40				0.52			12.00			
				15	790822	0	5.93	6.60	36.30		1.36	0.49	3.85		11.00	4.00		
				16	790908	0	6.15	0.80	32.80						12.00	4.00		
				17	791031	0	5.45	3.20	33.70		1.58	0.47			9.00	3.70		
				18	791128	0	5.44	1.00	34.10				2.79		12.70	3.00		
				19	800129	0	5.50	1.00	39.70		1.45	0.57			10.00	5.00		
				20	800222	0	5.89	1.30	48.90						12.00	5.00		
				21	800430	0	5.31	1.00	24.90		0.97	0.35	3.73		7.00			
				22	800528	0	5.86	4.30	30.30						9.00	5.00		
						0	5.60	2.71	35.09		1.51	0.53	3.95		11.53	3.96		
574	10	3	2	1	670817	0	6.40	2.20	31.20	0.55	1.40	0.50	3.20	0.20	5.40	1.60		30
				2	800715	0	6.40	1.90	27.00		1.30	0.40	2.70	0.10	4.10	2.20		30
						0	6.40	2.05	29.10	0.55	1.35	0.45	2.95	0.15	4.75	1.90		5
575	16	2	1	1	800813	0	7.13	39.10	100.00	3.48	11.64	1.41						
576	7	4	1	1	720501	0	5.60		27.00	0.55	0.60				6.50			
577	7	5	1	1	730501	0	5.90	1.00	18.00	0.40	0.50				5.50			
580	7	2	2	1	730501	0	5.60	4.00	21.00	0.70	1.90				2.50		4.88	
589	7	4	1	1	720501	0	6.25		24.00	0.55	0.90				5.80			
590	16	1	2	1	770622	0	7.85	75.60	199.70	8.35	17.41	9.72						25
				2	800715	0				8.35	18.04	9.32						25
						0	7.85	75.60	199.70	8.35	17.72	9.52						
591	7	6	1	1	721001	0	5.14	0.00	18.00	0.70	1.50				3.50			
592	7	4	1	1	720901	0	6.05	3.00	36.00	0.90	1.10				7.30			
593	55	2	1	1	790319	0	6.69	4.60	21.29	0.61	1.74	0.39	1.33		8.00	1.00	3.70	45

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
594	7	1	1	1	720501	0	7.25	31.00	68.00	4.00	7.50				5.00		37.80	
595	4	5	2	1	8011	0	6.20	3.60	24.00		1.80	0.47	1.80	0.10	2.50	2.50		35
596	7	6	1	1	790910	0	6.20	15.00	98.00	1.60	5.50				5.50			
597	7	6	1	1	721001	0	6.23	3.00	39.00	1.10	1.50				9.50		3.70	
598	7	4	1	1	730501	0	6.10	2.00	55.00	1.20	1.20				14.50		2.44	
599	4	2	2	1	8011	0	6.50	6.00	27.00		2.30	0.50	2.10	0.30	3.10	2.80		100
600	13	3	2	1	800425	0	5.56	1.60	48.05	1.07	2.05	1.03						120
601	16	4	2	1	790925	0	6.00	3.60	61.39	1.50	1.80	1.99						225
602	10	3	2	1	670824	0	6.60	5.20	30.00	0.75	2.90	0.10	3.00	0.30	4.70	3.40		
				2	800715	0	6.70	6.80	29.00		1.90	0.56	2.70	0.10	3.70	2.80		55
						0	6.65	6.00	29.50	0.75	2.40	0.33	2.85	0.20	4.20	3.10		55
603	13	3	2	1	771228	0	6.19	20.40	101.15	2.17	5.20	2.60						55
604	16	4	2	1	790927	0	5.95	1.00	34.16	0.54	1.33	0.46						10
605	16	4	2	1	791023	0	6.29	4.40	45.07	0.62	1.08	0.78						60
606	6	4	1	1	720111	0	5.00	1.00	61.90		2.10		1.30		14.80	4.60		
				2	720124	0	5.70	3.00	34.20		3.00		0.80		7.30	2.60		
				3	720212	0	6.10	5.10	42.50		1.80	1.00			8.80	3.00		
				4	720310	0	3.60	1.00	36.10		1.20	0.70			7.00	7.20		
				5	720412	0	5.90	2.20	32.00		1.25	0.65			6.40	4.30		
				6	720515	0	5.90	3.10	34.40		1.20	0.60	3.80		6.00	2.50		
				7	720616	0	6.30	4.00	36.20		1.20	0.80	4.40		6.80	2.20		
				8	720711	0	6.70	7.60	47.10		2.10	1.00	5.30		8.00	1.90		
				9	720812	0	6.30	6.30	45.80		2.20	1.00	5.00		6.90	4.40		
				10	720913	0	6.80	5.50	47.20		2.20	1.10	4.80		7.30	3.50		
				11	721014	0	5.30	3.00	32.70		1.50	0.80	3.80		6.60	2.90		
				12	721114	0	4.20	1.00	59.80		1.40	0.80	3.90		6.30	7.60		
				13	721218	0	6.50	2.80	46.90		1.70	1.00	5.60		11.00	2.30		
				14	730125	0	5.20	1.80	45.10		1.30	0.90	5.00		9.60	2.90		
				15	730212	0	5.50	2.80	42.70		1.50	0.90	5.40		8.90	2.70		
				16	730312	0	6.40	2.70	43.10		1.20	0.70	4.90		7.90	5.00		
				17	730411	0	5.80	2.40	34.80		1.20	0.60	3.60		6.70	1.60		
				18	730611	0	4.90	1.90	30.20		1.10	0.50	3.10		4.00	5.00		
				19	730711	0	6.50	3.50	38.70		1.50	0.80	4.30		6.90	5.00		
				20	730806	0	5.40	3.00	33.70		1.50	0.80	3.90		6.30	5.00		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
606	6	4	1	21	730910	0	5.90	4.40	34.20		1.50	0.80	3.90		5.90	2.00		
				22	731008	0	6.40	5.50	39.50		2.00	1.20	4.50		6.80	5.00		
				23	731112	0	5.60	2.90	36.60		1.50	0.80	4.00		7.30	7.00		
				24	731213	0	5.60	3.20	35.70		1.50	0.80	3.90		6.90	6.00		
				25	740125	0	6.00	5.40	50.00		1.90		6.10		9.70	3.00		
				26	740309	0	5.60	3.40	41.50		1.80	0.90	4.70		8.50	3.00		
				27	740416	0	5.30	1.40	30.90		0.90	0.50	3.70		6.00	2.00		
				28	740513	0	6.40	2.00	34.70		1.30	0.80	4.20		6.50	5.00		
				29	740617	0	6.60	3.00	33.60		1.40	0.70	4.20		6.40	5.00		
				30	740715	0	6.40	2.90	33.00		1.70	0.80	4.30		5.70	5.00		
				31	740813	0	6.20	6.40	43.00		2.00	1.10	5.30		7.20	5.00		
				32	740914	0	6.00	4.80	38.40		1.70	0.90	4.70		6.20	5.00		
				33	741015	0	6.00	3.80	32.40		1.50	0.80	3.80		6.00	4.00		
				34	741112	0	6.20	2.00	32.00		1.40	0.60	3.50		5.80	4.00		
				35	741209	0	6.20	5.80	38.90		1.30	0.70			5.90			
				36	750112	0	6.40	7.30	34.30		1.50	0.70	4.10		7.00	4.00		
				37	750208	0	6.60	7.60	41.30		2.70	1.20	4.30		6.90	4.00		
				38	750315	0	6.30	3.60	40.50		1.60	0.62	4.50		7.50	3.00		
				39	750414	0	6.30	4.10	26.40		1.00	0.50	2.80		4.40	4.00		
				40	750513	0	6.50	4.30	30.70		1.00	0.57	3.30		1.10	6.00		
				41	750615	0	7.30	4.40	35.60		1.50	0.70	4.00		6.70	4.00		
				42	750724	0	5.80	3.30	39.30		2.00		4.20		6.20	8.00		
				43	750814	0	6.00	6.90	39.20		2.00	1.10	4.40		6.70	3.00		
				44	750925	0	6.70	6.50	53.30		3.00	0.70	4.60		6.60	5.00		
				45	751018	0	6.00	3.50	53.00		1.40	0.80	4.00		5.90	2.80		
				46	760119	0	7.10	3.60	27.90		1.10	0.70	3.10		5.50			
				47	760220	0	6.60	2.30	37.10		7.30	0.80	4.30		8.00	8.00		
				48	760313	0	6.20	4.30	37.80		1.50	0.75	4.70		7.20	3.00		
				49	760414	0	5.70	3.40	53.40		1.40	1.10	5.90		12.50	2.00		
				50	760519	0	7.40	4.30	42.50		1.50	1.00	6.00		10.00	2.80		
				51	760610	0	6.10	4.70	52.00		1.60	0.95	5.80		10.00	2.50		
				52	760714	0	6.30	7.50	53.00		1.80	1.20	6.20		9.60	2.80		
				53	760820	0	6.50	0.64	56.00		2.00	1.40	5.90		9.50	3.20		
				54	760820	0			42.00						8.60			
				55	760916	0	6.60	7.10	55.00		2.10	1.30	5.70		7.60	3.50		
				56	761017	0	6.80	2.70	42.00		1.80	0.95	5.20		13.00	5.10		
				57	761117	0	6.20	2.50	62.00		2.00	1.10	6.80		13.00	3.50		
				58	761206	0	6.00	4.00	64.00		2.40	1.45	7.10		14.00	4.20		
				59	770117	0	6.10	1.00	50.00		1.70	1.00	6.10		13.00	4.50		
				60	770208	0	6.50	1.80	64.00		2.00	1.35	7.30		14.60	3.30		
				61	770316	0	7.00	4.90	59.30		2.30	1.30	7.10		13.00	3.10		
				62	770414	0	6.10	2.70	47.40		1.70	0.87	5.70		11.10	3.10		
				63	770524	0	6.20	7.00	51.70		2.10	1.00	6.00		9.50	3.00		
				64	770617	0	6.80	5.50	53.00		2.00	1.20	6.20		11.40	2.70		
				65	770812	0	6.90	6.90	66.00		2.40	1.50	6.90		9.00	3.40		
				66	771026	0	6.40	3.40	49.00		1.90	1.20	5.40		12.00	4.00		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
606	6	4	1	67	771125	0	6.40	1.00	43.00		1.80	1.10	5.30		10.00	4.30		
				68	771223	0	4.90	0.90	47.00		1.30	1.00	5.40		11.00	3.80		
				69	780131	0	6.00	2.60	37.60		1.10	0.70	4.40		7.50	2.90		
				70	780306	0	6.60	4.60	53.00		1.90	1.00	6.20		11.10	3.00		
				71	780417	0	6.00	2.20	38.00		1.20	0.60	4.30		7.00	3.50		
				72	780508	0	6.50	0.80	34.00		1.20	0.52	3.90		6.00	2.50		
				73	780612	0	6.20	0.60	32.00		1.00	0.57	3.90		4.90	3.20		
				75	780818	0	6.80	7.50	59.00		2.50	1.20	6.20		11.00	2.30		
				76	781026	0	6.20	4.30	42.00		1.10		4.90		7.20	3.60		
				77	780707	0	6.00	2.50	35.00		1.60	0.75	4.20		5.70	5.70		
				77	781127	0	6.40	3.10	34.00		0.87	0.49	3.50		6.20	3.20		
				78	781222	0	6.00	2.10	32.00		1.30	0.49	4.00		6.20	3.50		
				79	790118	0	6.70	5.20	46.00		2.10	0.73	5.30		8.20	3.80		
				80	790225	0	6.40	5.70	48.00		1.50	0.95	5.50		8.80	2.70		
				81	790314	0	6.60	3.30	42.00		1.40	0.75	4.80		8.20	2.80		
				82	790517	0	6.40	4.30	37.00			0.79	4.20		5.90	3.60		
						0	6.15	3.74	42.66		1.72	0.88	4.72		8.05	3.84		
607	7	4	1	1	720501	0	6.15	1.00	30.00	0.60	1.20				6.80		1.20	
608	38	4	1	1	800909	0	6.22	3.00	20.00	0.86	1.96	0.83						30
609	16	5	2	1	750512	0	5.94		26.91	0.41	0.94	0.40						30
610	7	5	1	1	750924	0	5.50	1.40	22.00	0.53						0.10		
612	7	4	1	1	730705	0	6.60	5.00	34.00	0.70	1.50				6.00		6.10	
613	7	1	1	1	720501	0	7.03	12.00	50.00	2.00	4.50				10.00		14.60	
614	10	1	2	1	720802	0	7.60		80.00									80
				2	720808	0	7.80	15.10	80.00	1.99	5.10	1.85	7.40	0.40	11.00	6.55	18.35	90
						0	7.70	15.10	80.00	1.99	5.10	1.85	7.40	0.40	11.00	6.55	18.35	85
615	7	3	1	1	800620	0	6.00	1.00	14.00	0.40	2.00	0.34			5.50	1.00		
				1	800620	0	6.00	1.00	14.00	0.40	2.00	0.34			5.50	1.00		
				2	800720	0	6.61	5.00	27.00	0.80	2.30	0.57			6.00	1.00		
				2	800720	0	6.61	5.00	27.00	0.80	2.30	0.57			6.00	1.00		
				3	800820	0	6.41	5.00	25.00	0.80	1.70				4.00			
				3	800820	0	6.41	5.00	25.00	0.80	1.70				9.00			
						0	6.34	3.67	22.00	0.67	2.00	0.45			6.00	1.00		
616	7	3	1	1	730701	0	6.85	4.00	35.00	0.50	1.20				6.50		4.88	
617	7	5	1	1	730501	0	6.55	4.00	28.00	0.60	1.20				8.50		4.88	

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
618	7	4	1	1	720101	0	6.29	3.80	32.00	0.75	1.90				6.50		4.60	
619	16	4	1	1	790305	0	6.32	4.80	67.58	1.11	2.36	1.17						50
620	7	4	1	1	720601	0	6.29	3.00	29.00	0.70	1.40				7.25		3.70	
621	6	5	1	1	720314	0	5.70	2.10	17.00		1.00	0.40	1.30		2.50	1.90		
				2	720410	0	5.40	1.50	17.70		0.90	0.30	1.40		2.30	2.80		
				3	720501	0	6.00	2.10	17.60		1.00	0.35	1.40		2.20	2.20		
				4	720515	0	5.70	2.60	16.00		1.00	0.40	1.40		2.10	1.90		
				5	720530	0	6.00	2.30	14.00		0.90	0.40	1.30		2.10	1.80		
				6	720612	0	5.60	1.90	18.50		1.10	0.40	1.40		2.40	3.30		
				7	720628	0	5.80	2.50	16.30		0.90	0.40	1.20		2.20	1.40		
				8	720714	0	4.50	1.00	32.40		1.15	0.35	1.40		1.90	5.10		
				9	720731	0	6.10	2.90	19.00		1.00	0.30	1.20		2.00	1.00		
				10	720821	0	5.80	2.40	18.90		1.10	0.40	1.70		2.80	2.10		
				11	720911	0	6.00	2.60	16.60		1.00	0.30	1.50		2.10	1.00		
				12	721013	0	5.80	3.00	16.60		1.00	0.30	1.60		2.30	1.30		
				13	721023	0	4.90	1.00	19.30		1.00	0.30	1.30		2.00	3.20		
				14	721031	0	6.30	2.50	13.10		0.90	0.40	1.20		2.10	1.00		
				15	721117	0	6.40	0.30	15.70		1.00	0.30	1.40		2.20	1.90		
				16	721201	0	6.80	2.50	15.70		1.00	0.30	1.40		2.00	1.00		
				17	721221	0	5.70	2.50	15.80		0.80	0.30	1.30		2.10	1.00		
				18	730110	0	5.60	2.50	15.00		0.80	0.30	1.20		2.00	1.10		
				19	730124	0	5.70	2.30	15.20		0.70	0.30	1.30		2.10	1.00		
				20	730205	0	5.20	2.30	16.40		0.70	0.30	1.40		2.00	1.00		
				21	730301	0	4.80	1.00	19.60		0.90	0.30			1.80	3.00		
				22	730322	0	5.90	1.10	16.60		0.60	0.30			2.10	3.00		
				23	730725	0	6.00	2.40	15.20		0.90	0.30	1.10		1.90	2.00		
				24	730830	0	7.00	3.00	14.80		0.90	0.30	1.10		1.70	2.00		
				25	730920	0	5.70	2.20	16.30		0.90	0.30	1.20		1.90	3.00		
				26	731015	0	6.00	2.70	15.20		0.90	0.30	1.50		1.80	2.00		
				27	731101	0	7.30	3.90	18.00		0.90	0.30	1.20		2.00	3.00		
				28	731114	0	6.20	2.10	17.80		0.90	0.40	1.20		2.20	3.00		
				29	731201	0	5.30	2.60	14.30		0.90	0.30	1.20		2.10	4.00		
				30	731217	0	4.60	1.00	21.20		0.90	0.40	1.10		1.90	2.00		
				31	740118	0	5.80	2.20	15.00		0.90	0.40	1.20		2.20	5.00		
				32	740221	0	6.10	2.70	15.20		0.90	0.40	1.50		2.10	2.00		
				33	740313	0	5.10	2.10	15.30		0.80	0.40	1.20		2.10	2.00		
				34	740415	0	5.90	1.60	14.50		0.90	0.40			2.20	2.00		
				35	740503	0	5.70	1.00	15.50		1.00	0.40			2.20	2.00		
				36	740517	0	6.00	1.70	14.80		0.30	0.80	1.10		2.10	2.00		
				37	740611	0	6.00	1.70	16.00		1.00	0.30	1.50		2.00	3.00		
				38	740704	0	6.00	1.00	15.50		0.90	0.30	1.20		1.70	2.00		
				39	740814	0	5.20	1.60	14.20		0.30	0.80	1.10		2.00	2.00		
				40	740915	0	5.00	3.60	23.80		0.70	0.30			1.80	1.00		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
621	6	5	1	41	740917	0	5.40	2.80	14.40		0.85	0.30	1.30		2.60	2.00		
				42	741015	0	5.10	1.30	13.90		0.90	0.40	1.20		1.90	2.00		
				43	741101	0	5.80	2.00	15.00		1.20	0.40	1.20		2.00	2.00		
				44	741213	0	6.10		14.30		0.80	0.32	1.20		2.00	2.00		
				45	750108	0	5.70	1.70	14.40		0.80	0.30	1.10		2.40	2.00		
				46	750127	0	5.80	2.20	15.30		1.30	0.30	1.20		2.40	2.00		
				47	750212	0	6.00	3.20	17.70		0.70	0.30	1.40		2.80	2.00		
				48	750303	0	5.60	0.90	15.80		0.80	0.30	1.30		2.20	2.00		
				49	750319	0	6.30	22.30	17.20		1.00	0.32			2.30	2.00		
				50	750415	0	6.20	3.00	16.60		0.80	0.30	1.60		2.20	2.00		
				51	750505	0	7.00	2.30	16.30		1.00	0.37	1.40		2.30	2.00		
				52	750522	0	6.00	3.90	18.40		1.90	0.35	1.40		2.30	2.00		
				53	750605	0	6.60	2.00	20.90		1.00	0.82	1.70		3.00	2.00		
				54	750721	0	6.50	1.40	15.30		1.00		0.98		1.90	2.00		
				55	750828	0	5.50	2.60	24.20		1.10		1.20		2.30	2.00		
				56	750923	0	6.20	2.80	26.60		1.00		1.40		2.10	2.00		
				57	751017	0	6.10	1.30	15.90		0.90		1.50		2.10	1.20		
				58	760109	0	6.40	2.90	17.30		1.00		1.30		2.30	1.60		
				59	760302	0	6.70	3.20	18.10		0.80		1.60		2.80	2.50		
				60	760318	0	7.10	13.30	45.00		5.90		1.90		3.10	4.00		
				61	760414	0	5.80	1.50	21.50		1.00		1.90		2.90	2.00		
				62	760428	0	6.10	4.00	19.30		0.90		1.80		2.80	2.00		
				63	760608	0	4.30	0.50	40.00		1.00		1.60		3.10	5.30		
				64	760715	0	6.00	3.00	19.80		1.00		1.70		3.70	1.60		
				65	760908	0	6.20	2.00	34.00		1.20		1.60		2.90	2.10		
				66	760920	0	6.20	1.70	20.00		1.00		1.70		2.80	1.60		
				67	761004	0	6.90	1.20	19.00		1.00		1.60		2.60	2.10		
				68	761203	0	5.50	1.90	20.00		0.90		2.40		3.10	1.80		
				69	770104	0	6.00	2.70	26.00		1.00		1.90		3.40	2.20		
				70	770202	0	6.90	2.20	28.00		1.00		2.10		3.80	2.00		
				71	770302	0	6.80	1.50	18.60		0.90		2.10		3.10	2.30		
				72	770321	0	6.00	0.90	18.30		0.90		1.90		3.10	1.90		
				73	770418	0	5.40	1.70	16.30		1.00		1.70		3.10	2.30		
				74	770525	0	6.00	1.60	20.00		1.30		1.70		3.10	2.20		
				75	770620	0	5.30	0.50	21.10		0.85		1.60		2.90	2.70		
				76	771024	0	6.10	1.40	17.00		0.90		1.60		2.60	1.50		
				77	771024	0	6.20	2.00	21.00		0.90		1.40		2.70	1.50		
				78	771115	0	6.50	2.30	18.00		0.80		1.40		2.60	2.00		
				79	771115	0	6.40	2.10	18.00		0.80		1.50		2.60	2.00		
				80	771115	0	6.40	1.20	17.00		0.80		1.50		2.60	2.00		
				81	771115	0	6.10	1.40	18.00		0.80		1.50		2.60	2.00		
				82	771206	0	6.10	0.50	16.00		0.90		1.50		2.40	1.80		
				83	771206	0	6.20	1.40	15.00		0.90	0.30	1.50		2.60	1.80		
				84	771206	0	6.20	0.80	15.60		0.90		1.50		2.80	2.00		
				85	771216	0	6.10	1.00	17.00		1.00	0.40	1.50		2.40	1.70		
				86	780123	0	7.10	31.50	83.00		12.00	0.80	1.90		3.60			

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
621	6	5	1	87	780223	0	5.70	0.90	16.00		1.00	0.30	1.50		2.50	2.50		
				88	780329	0	6.10	0.90	16.90		0.90	0.30	1.40		2.10	1.80		
				89	780501	0	6.10	1.80	19.00		1.00	0.35	1.60		2.10			
				90	780524	0	6.10	2.00	19.00		1.00	0.33	1.50		2.40	2.00		
				91	780731	0	5.80	0.80	16.00		0.85	0.40	1.40		2.20	2.20		
				92	780915	0	6.10	4.10	16.00		0.80	0.27	1.40		2.50	2.00		
				93	781106	0	5.90	2.30	18.00			0.22	1.80		4.00	1.80		
				94	781204	0	6.60	1.60	16.00		0.73	0.23	1.30		2.00	1.50		
				95	790110	0	6.30	1.00	19.00		0.67	0.24	1.80		2.60	2.00		
						0	5.96	2.63	18.96		1.09	0.36	1.45		2.41	2.11		
622	7	4	1	1	720801	0	7.04	6.00	19.00	0.70	1.40				2.60		7.30	
623	7	3	1	1	720801	0	6.23	3.00	14.00	0.45	1.20				2.80		3.70	
624	7	3	1	1	730701	0	6.55	8.00	35.00	0.80	1.20				6.50		9.76	
625	16	3	2	1	770617	0	7.63	34.40	329.80		25.29	4.37						15
626	6	5	2	1	720317	0	6.30	9.10	69.90		3.45	1.50	8.50		16.00	3.70		
627	16	3	2	1	750310	0	6.44	7.20		2.40	3.51	1.06						200
628	7	4	2	1	750520	0	6.00	1.00	25.00	0.95						4.24		
				2	750602	0	6.50	2.40	26.00	1.03						3.47		
				3	750616	0	6.40	1.40	30.00	1.00						2.69		
				4	750701	0	6.30	3.60	32.00	1.08						3.08		
				5	750721	0	6.30	4.40	36.00	1.17						4.57		
				6	750805	0	6.20	2.40	36.00	1.05						4.11		
				7	750820	0	6.40	3.20	33.00	1.57						3.65		
				8	750904	0	6.20	2.40	39.00	1.34						3.65		
				9	750918	0	6.60	3.00	31.00	0.86						3.65		
				10	751002	0	6.50	3.00	31.00	0.92						4.50		
				11	751016	0	6.10	0.40	25.00	0.79						2.09		
				12	751030	0	6.30	1.00	29.00	0.75						3.14		
				13	751113	0	6.10	2.20	24.00	0.75						0.70		
				14	751202	0	6.10	1.20	23.00	0.69						0.20		
						0	6.29	2.26	30.00	1.00						3.12		
629	7	2	1	1	720801	0	6.70	8.00	22.00	1.00	2.50				1.50		9.80	
630	16	2	2	1	800214	0	4.31		23.58	0.24	0.43							45
631	4	2	2	1	8011	0	6.10	3.80	19.00		1.80	0.34	1.10	0.20	2.00	2.30		70
632	10	3	2	1	670610	0	6.20	2.30	20.60	0.44	1.50	0.20	2.10	0.10	3.10	2.10		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
632	10	3	2	2	800715	0	6.40	3.10	21.00		1.20	0.35	2.00	0.10	3.00	2.20		30
						0	6.30	2.70	20.80	0.44	1.35	0.27	2.05	0.10	3.05	2.15		30
633	16	1	2	1	731213	0	7.40	62.30	210.00	9.65	19.40	11.70	6.00		14.00	6.00		15
634	16	3	2	1	700604	0	5.00		56.00	0.80					1.20			50
635	16	3	2	1	771228	0	6.30	15.00	80.84	1.49	3.12	1.62						25
636	7	4	1	1	720901	0	6.45	3.30	32.00	0.70	1.20				6.80		3.80	
637	7	4	2	1	750513	0	6.60	10.00	28.10	0.70	0.60				6.00	3.95		
				2	750529	0	6.50		38.10	0.70	0.70				6.50	3.95		
				3	750611	0	6.40	2.00	38.90	0.70	1.00				8.00	1.90		
				4	750630	0	6.60	2.00	37.80	0.60	1.00				7.50	3.10		
				5	750714	0	6.70	3.00	37.20	0.70	1.20				6.00	5.60		
				6	750729	0	6.60	3.00	34.70	0.80	1.30				7.00	6.80		
				7	750813	0	6.60	3.00	36.60	0.60	0.80				7.50	3.00		
				8	750830	0	6.50	3.00	38.70	0.70	1.00				8.00	1.40		
				9	750915	0	6.60	2.00	36.90	0.70	1.10				8.00	3.74		
				10	750930	0	6.60	4.00	38.50	0.80	1.10				8.00	4.29		
				11	751015	0	6.50	2.00	31.42	0.60	0.90				10.00	3.16		
				12	751030	0	6.40	2.00	43.30	0.90	1.10				10.00	4.18		
				13	751112	0	6.50	2.00	36.00	0.60	0.90				6.50	0.73		
				14	751127	0	6.40	2.00	34.00	0.70	0.60				8.00	0.73		
				15	751216	0	6.40	2.00	39.60	0.70	0.90				6.00	0.53		
				16	751230	0	6.30	3.00	37.40	0.70	1.00				9.00	0.01		
				17	760114	0	6.30	1.00	32.82	0.60	0.60				8.50	0.51		
				18	760216	0	6.30	1.00	38.28	0.60	0.70				8.50	0.43		
				19	760315	0	6.10	2.00	41.04	0.80	1.30				9.00	0.43		
				20	760421	0	6.20	2.00	54.60	0.80	1.00				11.00	3.00		
				21	760525	0	6.30	2.50	44.28	0.60					11.00	3.60		
				22	760616	0	6.20	2.00	45.90	0.60	1.30				11.50	3.60		
				23	760720	0	6.10	3.00	50.76	0.60	1.60				11.50	5.19		
						0	6.42	2.66	38.91	0.69	0.99				8.39	2.78		
638	7	4	1	1	730701	0	6.55	3.00	35.00	0.60	0.90				7.50		3.66	
639	7	4	1	1	720501	0	6.19	2.50	28.00	0.60	1.10				5.80		3.10	
640	7	4	1	1	730501	0	6.40	8.00	58.00	1.40	4.20				11.50		9.76	
641	7	4	2	1	730301	0	6.00	2.00	32.00	1.20	0.50				8.50		2.40	
642	10	1	2	1	720731	0	8.50		119.00		20.00	14.00	4.30	0.20	5.70	5.30	70.30	20
				2	720822	0	7.90	57.60	130.00	6.26								15
						0	8.20	57.60	124.50	6.26	20.00	14.00	4.30	0.20	5.70	5.30	70.30	18

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
643	7	3	1	1	730601	0	6.05	4.00	45.00	0.90	2.20				6.90		4.88	
644	10	3	2	1	660818	0	6.30	2.00	29.60	0.55	1.40	0.50	3.30	0.20	3.10	2.40		
				2	800715	0	6.20	3.80	26.00		1.30	0.43	2.70	0.20	3.50	2.50		45
						0	6.25	2.90	27.80	0.55	1.35	0.46	3.00	0.20	3.30	2.45		45
646	7	2	1	1	740801	0	6.00	2.00	11.50	0.50						1.50		
647	7	4	1	1	720601	0	6.79	7.00	37.00	0.70	1.90				7.00		8.50	
648	16	4	2	1	791122	0	5.86	1.50	43.24	0.71	1.85	0.56	4.50					45
				2	740514	0	5.60	2.01	47.50	0.74	1.80	0.68			8.50	6.00		10
				3	790717	0	6.36	3.80	41.17	0.88	2.03	0.65						50
						0	5.94	2.44	43.97	0.78	1.89	0.63	4.50		8.50	6.00		35
649	7	4	1	1	720901	0	6.30	7.00	42.00	1.00	1.90				7.50		8.54	
650	10	1	1	1	7207	0	7.81		112.00									5
651	16	3	2	1	771128	0	6.80	16.40	66.39	2.47	5.15	2.86						45
652	7	3	1	1	720801	0	6.87	6.00	40.00	1.15	2.10				8.00		7.40	
653	7	4	1	1	730501	0	5.75	2.00	44.00	0.80	1.20				11.00		2.44	
654	7	4	1	1	720801	0	6.73	3.00	35.00	0.60	0.80				8.00		3.70	
655	4	2	2	1	8011	0	6.40	4.60	30.00		2.20	0.66	2.30	0.20	5.00	3.00		50
656	4	2	2	1	8011	0	6.10	5.20	19.00		0.78	1.00	1.20	0.10	1.90	2.30		50
657	16	5	2	1	800924	0	6.30	7.30	30.00	1.08	2.61	0.97						30
658	7	4	2	1	800514	0	5.77	1.00	18.00	0.40	0.50	0.35			5.00	2.00		
				2	800612	0	5.83	1.00	18.00	0.30	0.50	0.33			6.00	2.00		
				3	800716	0	6.16	1.00	18.00	0.40	0.40	0.35			6.00	2.00		
				4	800812	0	6.35	1.00	19.00	0.40	0.40	0.37			8.00	2.00		
				5	800917	0	6.30	1.00	20.00	0.90	0.40				7.00			
				6	801014	0	5.50	4.00	20.00	0.30	0.50				7.00			
				7	801114	0	5.40	1.00	23.00	0.40	0.60				8.50			
				8	801214	0	5.61		23.00	0.40	0.50							
						0	5.86	1.43	19.88	0.44	0.47	0.35			6.79	2.00		
659	7	4	2	1	730401	0	5.55	1.00	60.00	0.80	1.50				21.00			
660	7	3	1	1	720801	0	6.68	3.50	23.00	0.65	1.50				4.00		4.30	

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
661	7	4	1	1	720501	0	6.54	5.00	33.00	0.60	12.00				3.50		6.10	
663	55	2	1	1	790319	0	6.82	4.40	27.00	0.78	2.32	0.44	1.82		11.00	2.00		40
664	7	4	1	1	730701	0	6.75	3.00	35.00	0.60	1.20				6.50		3.66	
665	7	4	1	1	730301	0	6.25	2.00	36.00	0.80	1.00				9.00		2.40	
666	6	4	1	1	770531	0	6.48	1.40			20.31	0.72	6.09		18.96	4.72		
				2	770712	0	7.17	11.20			5.33	1.14	10.40		20.21	0.53		
				3	770801	0	6.23	2.40			2.44	0.83	6.01		27.30	1.35		
				4	770818	0	5.97	5.20			4.63	1.20	14.65			14.20		
				5	770906	0	6.74	9.60			6.23	1.19			18.00			
				6	770926	0	6.28	4.60			7.56	0.98						
				7	771017	0	6.15	3.20			1.89	0.80	1.21		15.90	2.60		
				8	771031	0	6.00	3.40			2.68	0.93	6.83		14.20	4.20		
				9	771115	0	6.10	2.20			3.33	0.90	6.93		17.00	3.30		
				10	771129	0	5.95	2.00			1.64	0.74			15.60			
				11	771212	0	5.75	0.60			1.77	0.89	1.35		18.10			
				12	780123	0	5.85	0.80				0.79			18.40			
				13	780221	0	5.95	2.60				0.87			17.90			
				14	780411	0	5.90						13.15		28.10	3.40		
				15	780511	0	6.00	3.40					4.60		10.50	2.60		
				16	780612	0	6.35	2.40					7.30		12.25	3.00		
				17	780713	0	5.70	6.60					7.60		16.40	2.80		
				18	780828	0	6.30	6.20					8.15		19.14	2.46		
				19	781024	0	6.05	1.00					6.76		14.70	2.00		
				20	781213	0	5.50	2.20					6.77		16.00	2.00		
				21	781219	0	4.95	1.00					7.43		18.00	4.00		
				22	790124	0	5.60	3.40			3.27		12.18		24.00	7.00		
				23	790129	0	4.75	2.00					4.65		13.00	2.00		
				24	790221	0	5.85	1.40					6.05			2.00		
				25	790320	0	5.90	1.00			2.81	0.77	7.62		19.00	1.00		
				26	790613	0	6.86	4.80					6.98		21.00	4.00		
				27	790723	0	5.78	4.00				1.04			20.00			
				28	790828	0	6.46	4.80	54.43		2.31	0.87	6.99		23.00	2.00		
				29	791015	0	5.76	1.60	49.62						7.04	4.60		
				30	791203	0	6.30	1.70	55.64		1.75	0.79			13.00	5.00		
				31	800121	0	5.53	1.00	91.73				13.26		22.00	5.00		
				32	800225	0	6.37	2.50	64.53		2.41	0.84			16.00	5.00		
				33	800325	0	5.19	1.00	92.58						22.00			
				34	800505	0	5.78	1.00	43.95		2.80	0.62	6.50		11.00	6.00		
						0	5.99	3.10	64.64		4.30	0.89	7.48		17.67	3.72		
667	6	4	1	1	770531	0	6.92	5.60				1.04	10.17		29.49	5.77		
				2	770712	0	6.96	11.60				1.96	16.32		38.29	3.19		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
667	6	4	1	3	770801	0	6.54	8.00				1.20	14.06		28.00	14.90		
				4	770818	0	6.22	10.60				1.24	15.01			13.50		
				5	770906	0	7.01	14.00				2.39			38.00			
				6	770926	0	6.44	8.40				1.58						
				7	771017	0	6.45	0.80				1.53	1.98		25.80	5.20		
				8	771031	0	6.25	4.60				1.65	10.22		21.30	5.60		
				9	771115	0	6.25	8.60				1.74	9.95		21.30	2.90		
				10	771129	0	6.35	3.20				1.40			21.30			
				11	771212	0	6.20	18.00				1.35	11.10		27.70			
				12	780123	0	5.85	6.00				1.39			29.80			
				13	780221	0	6.25	8.40				1.52			6.38			
				14	780411	0	6.40						20.38		42.10	4.30		
				15	780511	0	5.85						5.67		14.00	3.60		
				16	780612	0	6.85	6.80					12.78		21.69	9.70		
				17	780713	0	5.70	9.20					18.33		31.81	5.52		
				18	780828	0	6.71	11.80					28.03		38.28	4.92		
				19	781024	0	6.40	6.80					11.04		22.00			
				20	781213	0	5.90	2.80					12.08		26.00	2.00		
				21	781219	0	5.85	2.80					10.55		84.00	2.00		
				22	790124	0	6.25	5.00					43.03		64.00	9.00		
				23	790129	0	5.50	4.00					6.40		16.00	3.00		
				24	790221	0	6.20	7.00					13.28			3.00		
				25	790320	0	6.50	5.40				1.16	13.68		27.00	5.00		
				26	790613	0	6.81	11.60					14.28		33.00	3.00		
				27	790723	0	6.23	13.60							40.00			
				28	790828	0	6.76	12.20				1.65	13.86		30.00	3.00		
				29	791015	0	6.46	4.80	73.33						17.00	6.80		
				30	791203	0	6.54	8.50	89.02			1.33			17.00	6.00		
				31	800121	0	6.50	3.80	104.75				13.77		22.00	5.00		
				32	800225	0	6.82	11.00	130.89			1.59			27.00	5.00		
				33	800325	0	6.28	1.50	122.45						27.00	5.00		
				34	800505	0	6.20	2.00	48.83			1.11	11.33		11.00	6.00		
						0	6.36	7.45	94.88			1.49	14.05		28.98	5.50		
668	7	1	1	1	720501	0	5.60	3.00	28.00	1.00	2.00				6.00		3.70	
669	7	5	1	1	730601	0	6.90	8.00	31.00	1.00	2.20				3.00		9.76	
670	6	3	1	1	770622	0	5.50	1.60			2.70	0.54	4.22		15.30	1.90		
				1	770908	0	6.12	4.40			4.23	0.73						120
				2	770728	0	5.74	1.60			2.90	0.61	3.87		12.40	2.70		
				2	771005	0	5.12	0.40			2.95	0.63						180
				3	770908	0	6.12	4.40			4.20	0.73						
				3	771103	0	5.96	2.00			2.58	0.72	3.34	0.31	11.30	1.80		150
				4	771005	0	5.12	0.40			2.90	0.63	3.34					
				4	771221	0	5.53	4.20				0.56	2.69	0.35	8.44	1.00		110

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
670	6	3	1	5	771103	0	5.96	2.00			2.60	0.72	2.69		11.30	1.80		
				5	780223	0	6.15	2.00				0.49		0.25	10.20			75
				6	771221	0	5.53	4.20				0.56			8.44	1.00		
				6	780320	0	6.14	2.80				0.58		0.34	10.20			80
				7	780223	0	6.15	2.00				0.49			10.20			
				7	780419	0	5.89	2.00				0.47		0.30	10.50			70
				8	780320	0	6.14	2.80				0.58			10.20			
				8	780529	0	5.65	3.40				0.50		0.32	8.00			75
				9	780419	0	5.89	2.00				0.47			10.50			
				9	780628	0	6.56	6.20				0.60		0.35	8.80			85
				10	780529	0	5.65	3.40				0.50			8.00			
				10	780817	0	6.15	10.20				0.83		0.39	12.76			65
				11	780628	0	6.56	6.20				0.59			8.80			
				11	781004	0	5.70	2.00				0.64		0.33	10.72			105
				12	780817	0	6.15	10.20				0.83			12.80			
				12	781206	0	5.30	3.60				0.68		0.28	11.34			50
				13	781004	0	5.70	2.00				0.64			10.70			
				13	790208	0	5.85	2.30			1.56	0.40		0.29	10.24			100
				14	781206	0	5.30	3.60				0.68			11.30			
				14	790307	0	5.03	1.00				0.59	3.76	0.40	12.50			50
				15	790208	0	5.85	3.60			1.55	0.40			10.40			
				15	790410	0	6.09					0.43	3.50	0.23	10.00	1.00		90
				16	790208	0	5.85	1.00			1.55	0.39			10.10			
				16	790502	0	5.05	1.00				0.43		0.24	9.00			100
				17	790307	0	4.95	0.10				0.31	2.55		12.00			
				17	790606	0	6.22	2.20				0.55		0.34	15.00			100
				18	790307	0	5.10	1.00				0.87	4.95		13.00			
				18	790717	0	6.69	4.60				0.65		0.31	10.00			130
				19	790410	0	6.09					0.43	3.50		10.00	1.00		
				19	790815	0	7.05	12.20	78.47		4.23	0.91	10.13	0.55	26.00	7.00		70
				20	790502	0	5.05	1.00				0.43			9.00			
				20	790912	0	5.85	5.40	46.52						11.00	3.00		70
				21	790606	0	6.22	2.20				0.55			15.00			
				21	791024	0	6.41	3.60	39.62		2.42	0.75		0.27	8.00	4.60		70
				22	790717	0	6.69	4.60				0.65			10.00			
				22	791121	0	5.82	2.00	32.78				3.05		7.00	5.00		70
				23	790815	0	7.05	12.20	78.50		4.23	0.91	10.10		26.00	7.00		
				23	800115	0	6.21	3.10	38.57		2.39	0.61		0.34	8.00	5.00		
				24	790912	0	5.85	5.40	46.50						11.00	3.00		
				24	800207	0	6.32	5.30	40.28						8.00	5.00		70
				25	791024	0	6.41	3.60	39.60		2.40	0.75			8.00	7.60		
				25	800429	0	5.48	1.00	18.84		1.08	0.29	2.46	0.27	6.00	5.00		
				26	791121	0	5.82	2.00	32.80				3.05		7.00	5.00		
				26	800523	0	6.10	2.90	43.75						1.00	5.00		70
				27	800115	0	6.21	3.10	38.60		2.39	0.61			8.00	5.00		
				27	800724	0	5.83	2.30	33.00				3.35		9.00	1.00		70

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
															8.00	5.00		
670	6	3	1	28	800207	0	6.32	5.30	40.30									
				28	800814	0	5.36	1.30	31.13		2.01	0.50		0.14	6.00	1.00		70
				29	800429	0	5.48	1.00	18.80		1.08		2.46		6.00	5.00		
				29	800910	0	6.19	3.00	30.00		2.22	0.54			10.00			70
				30	800523	0	6.10	2.90	43.80			0.29			10.00	5.00		
				30	801008	0	5.49	1.00	30.00						7.00	1.00		70
				31	801120	0	5.54	1.00	30.00		1.64	0.44	2.60	0.32	11.00	1.00		
				32	801217	0	6.13	3.00	30.00		1.92	0.49	2.60	0.75	10.00	1.00		70
						0	5.90	3.28	39.18		2.51	0.58	3.91	0.33	10.35	3.43		86
671	38	4	2	1	790609	0	5.50	1.00	46.89	0.95	2.38	0.71						45
672	6	3	1	1	770713	0	6.66	6.40			2.69	0.70	6.17		23.00	3.72		
				2	770809	0	6.75	17.20			3.11	0.72	3.37			6.80		
				3	770920	0	6.34	5.00			2.51	0.61			9.60			
				4	771102	0	6.00	4.20			2.63	0.77	4.08		17.00	3.20		
				5	780110	0	5.65	1.40				0.64			8.40			
				6	780315	0	6.42	4.80				0.65			11.50			
				7	780419	0	6.47	5.20				0.97			20.40			
				8	780725	0	5.85	6.80				0.70	3.85		10.40			
				9	780906	0	7.03	10.40				0.85			10.70			
				10	781012	0	5.85	2.40				0.56			13.30			
				11	790103	0	5.80	1.80			2.61	0.74	3.82		14.00	1.00		
				12	790205	0	5.50	1.80			1.55	0.43			9.60			
				13	790312	0	5.75	2.00				0.41			11.00			
				14	790419	0	5.60					0.46			10.00			
				15	790527	0	5.95	3.00				0.51			11.00			
				16	790615	0	5.75	17.20				0.54			7.00			
				17	790723	0	6.79	5.00				7.12			7.00			
				18	790815	0	6.62	9.00	26.90		4.88	5.04	41.40		87.00			
				19	790912	0	6.67	17.60	68.00						99.00	3.00		
				20	791024	0	6.85	4.20	62.20		2.53	0.86			14.00	3.30		
				21	791121	0	6.29		41.60							5.00		
				22	800116	0	6.57	4.10	45.30						9.00	5.00		
				23	800207	0	6.20	5.70	87.30						10.00	5.00		
				24	800429	0	4.46	2.20	24.30		1.82	0.39	3.80		6.00			
				25	800523	0	6.18	1.00	34.60						8.00	5.00		
						0	6.16	6.02	48.77		2.70	1.18	9.50		18.56	4.10		
673	16	4	2	1	790928	0	5.90	1.20	36.57	0.48	1.06	0.53			0.85			15
674	7	4	2	1	730701	0	6.35	2.00	30.00	0.40	0.60				6.50		2.44	
675	7	4	2	1	750513	0	7.00	14.00	47.52	1.20	3.30				9.00	4.45		
				2	750529	0	7.00	8.00	68.84	1.20	36.00				11.00	3.85		
				3	750611	0	7.00	8.00	72.80	1.40	4.00				10.00	3.40		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
675	7	4	2	4	750630	0	7.30	8.00	64.80	1.60	4.70				11.00	5.00		
				5	750714	0	7.30	12.00	70.56	1.60	5.00				11.50	5.00		
				6	750730	0	7.00	10.00	61.60	1.70	4.80				10.50	6.30		
				7	750813	0	7.20	12.00	66.49	1.80	4.80				10.00	5.70		
				8	750828	0	6.90	11.00	63.60	1.90	4.30				10.00	6.80		
				9	750915	0	7.10	12.00	62.70	1.80	5.10				10.00	3.21		
				10	750930	0	7.10	12.00	66.00	2.00	4.90				11.00	3.74		
				11	751015	0	7.00	9.00	49.00	1.30	3.70				6.30	3.14		
				12	751030	0	6.90	10.00	49.50	1.70	4.00				8.00	4.18		
				13	751112	0	6.90	8.00	48.40	1.50	3.60				8.00	0.73		
				14	751127	0	6.80	8.00	47.70	1.30	2.60				7.50	1.47		
				15	751215	0	6.90	8.00	49.50	1.40	3.30				9.00	0.53		
				16	751230	0	6.70	7.00	61.60	1.40	3.30				12.00	1.58		
				17	760115	0	6.90	7.00	68.44	1.40	3.00				16.00	1.02		
				18	760217	0	6.70	5.00	97.44	2.00	4.20				26.00	0.43		
				19	760315	0	6.40	6.00	86.40	2.00	4.00				19.00	2.15		
				20	760421	0	6.40	5.00	157.62	1.80	6.70				32.00	4.50		
				21	760525	0	6.70	6.00	108.00	2.00	6.70				27.00	5.40		
				22	760616	0	6.70	1.00	99.96	1.60	6.30				25.00	4.05		
				23	760721	0	6.40	9.00	112.32	2.00	7.30				20.00	7.56		
						0	6.88	8.52	73.08	1.63	5.90				13.90	3.66		
676	10	1	2	1	720817	0	7.94	58.90	150.00	6.58	16.80	5.80	5.40	0.40	8.70	7.20	71.90	40
				2	720817	13	7.40		150.00									30
						7	7.67	58.90	150.00	6.58	16.80	5.80	5.40	0.40	8.70	7.20	71.90	35
677	13	5	2	1	800226	0	7.40	6.85	39.32	0.68	1.01	0.46						45
678	7	4	1	1	720501	0	6.89	2.70	36.00	0.63	1.50				6.50		3.30	
679	7	4	1	1	730701	0	6.00	1.00	34.00	0.60	1.50				6.50			
680	7	5	1	1	720701	0	7.00	10.00	39.00	1.00	2.80				5.50		12.20	
682	7	3	1	1	780917	0	6.10	5.00	38.00		1.60							
683	7	6	1	1	721001	0	6.63	6.00	33.00	1.20	1.80				6.00		7.30	
684	6	3	1	2	800509	0	5.20	2.20	32.00		1.10	0.35	3.70	0.30	5.10	3.00		100
				3	800615	0	6.10	5.20	40.00		2.10	0.46	4.50	0.30	6.20	3.00		90
				4	800721	0	6.60	7.10	31.00		2.00	0.48	3.20	0.10	4.00	3.30		100
				5	801006	0	5.90	1.80	28.00		1.90	0.51	2.50	0.30	4.00	4.30		100
				6	801128	0	5.50		21.00		1.25	0.39	2.10	0.20	2.80	2.80		100
						0	5.86	4.07	30.40		1.67	0.44	3.20	0.24	4.42	3.28		98
684	7	3	1	1	720801	0	6.85	6.50	25.00	0.65	1.50				4.00		7.90	

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
684	7	3	1	1	730701	0	6.65	3.00	20.00	0.60	1.20				3.50		3.66	
						0	6.75	4.75	22.50	0.62	1.35				3.75		5.78	
685	7	4	1	1	800514	0	6.42	2.00	33.20	0.60	1.00	0.59			9.80	3.00		
				2	800612	0	6.41	1.00	33.00	0.70	1.00	0.59			9.00	2.00		
				3	800716	0	6.53	2.00	33.00	0.70	1.00	0.61			10.00	3.00		
				4	800812	0	6.71	2.00	33.00	0.60	1.00	0.61			10.30	3.00		
				5	800917	0	6.64	3.00	35.00	0.90	1.00				9.25			
				6	801014	0	6.42	3.00	34.00	0.70	1.10				10.00			
				7	801114	0	6.30	0.20	34.00	0.60	0.80				11.50			
				8	801218	0	6.10		34.00	0.50	0.80							
						0	6.44	1.89	33.65	0.66	0.96	0.60			9.98	2.75		
686	16	2	1	1	710506	0	6.10	34.00	22.10	0.67	1.70	0.60	1.90		2.90	3.40		100
687	7	4	2	1	730801	0	7.08	10.00	51.00	1.30	3.80				8.50		12.20	
688	7	4	1	1	720801	0	6.70	4.00	31.00	0.80	1.40				6.20		4.90	
689	6	4	1	1	770601	0	6.33	1.80			1.77	0.65	5.03		16.85	5.77		
				2	770720	0	5.93	2.60			2.39	0.72	8.32		12.76	3.72		
				3	770901	0		2.20			2.09	0.73	5.78			5.60		
				4	771013	0	5.65	2.20			1.55	0.72	4.99		12.80	4.00		
				5	771109	0	5.95	2.40			2.14	0.78	5.62		14.20	6.40		
				6	771213	0	5.80	44.00			1.95	0.69	4.69		13.30			
				7	780117	0	5.26	0.80				0.57			12.80			
				8	780301	0	5.75	1.80				0.60			10.20			
				9	780425	0		0.40				0.41			8.90			
				10	780531	0	5.45	1.40				0.42			9.00			
				11	780705	0	6.46	2.60				0.48	3.00		8.60			
				12	780825	0	5.80	2.80				0.53	4.25		12.78			
				13	781010	0	5.65	4.00				0.47	3.90		12.25			
				14	781130	0	4.80	4.00				0.60	5.83		10.60			
				15	790110	0	5.75	1.40				0.50	3.77		14.06			
				16	790130	0	5.45	4.00				0.68	4.21		12.00			
				17	790328	0	6.30	1.40				0.50	3.35		13.00			
				18	790523	0	6.54	2.20				0.46			12.00			
				19	790724	0	6.23	2.20				0.54			19.00			
				20	790827	0	6.53	3.00	33.42		1.23	0.57	5.30		14.00	4.00		
				21	790920	0	6.26	2.80	33.50						11.00	5.00		
				22	791106	0	6.04		32.65		1.01	0.44			8.00	5.30		
				23	791204	0	5.93	2.40	34.42				2.80		8.00	3.00		
				24	800319	0	6.10	1.60	37.10		1.75	0.54			9.00	5.00		
				26	800513	0	6.40	1.60	23.31				3.11		8.00	5.00		
						0	5.93	3.98	32.40		1.76	0.57	4.62		11.80	4.80		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
690	7	4	2	1	730901	0	6.38	4.00	31.00	0.60	1.40				6.00		5.20	
691	7	4	2	1	760804	0	6.30	2.00	50.96	1.00	2.40				12.00			
692	7	3	2	1	770602	0	6.30	4.00	24.90	0.80	1.30				4.00			
				2	770602	0	6.00	3.00	26.00	0.80	1.30				4.00			
				3	770602	0	6.00	3.00	26.00	1.00	1.50				4.00			
				4	770602	0	6.20	4.00	24.90	0.80	1.50				4.00			
				5	770614	0	6.10	3.00	26.00	0.80	1.30				3.50			
				6	770614	0	6.00	4.00	26.00	0.80	1.30				3.50			
				7	770614	0	6.30	3.00	24.90	0.80	2.60				3.50			
				8	770614	0	6.10	2.00	27.00	0.80	1.30				3.50			
				9	770616	0	6.70	6.00	26.00	0.90	2.00				4.00			
				10	770616	0	6.40	4.00	26.00	0.70	2.20				4.00			
				11	770628	0	6.30	4.00	26.00	1.20	1.30				4.00			
				12	770628	0	6.50	4.00	27.00	0.60	2.30				3.50			
				13	770628	0	6.70	4.00	26.00	1.10	2.30				3.50			
				14	770628	0	6.20	4.00	26.00	0.08	1.60				4.00			
				15	770713	0	6.30	5.00	27.00	0.90	1.40				3.50			
				16	770713	0	6.30	4.00	28.10	1.10	1.90				4.00			
				17	770713	0	6.40	4.00	27.00	1.00	2.10				4.00			
				18	770801	0	6.60	4.00	26.00	0.90	2.30				4.00			
				19	770801	0	6.50	4.00	28.10	0.80	2.00				4.00			
				20	770816	0	6.30	5.00	27.00	1.10	2.30				4.00			
				21	770816	0	6.40	5.00	28.10	1.10	2.60				4.00			
				22	770816	0	6.20	4.00	27.00	1.00	2.20				4.00			
				23	770907	0	6.30	4.00	28.10	1.10	2.40				4.00			
				24	770907	0	6.30	4.00	27.00	0.70	2.30				4.00			
				25	770907	0	6.10	5.00	28.10	1.20	4.00				4.00			
				26	770907	0	6.20	5.00	28.10	1.00	4.00				4.00			
				27	770920	0	6.20	3.00	27.00	1.00	4.00				4.00			
				28	770920	0	6.30	4.00	27.00	1.10	4.00				4.00			
				29	770920	0	6.20	4.00	27.00	1.20	2.30				5.00			
				30	770920	0	6.30	4.00	27.00	1.00	2.20				4.50			
				31	771114	0	5.90	2.00	28.10	1.00	2.60				4.00			
				32	771114	0	6.00	4.00	27.00	1.00	2.30				4.50			
				33	771114	0	6.00	3.00	27.00	1.20	2.30				4.50			
				34	771114	0	5.80	2.00	27.00	1.00	2.40				4.00			
				35	780214	0	6.30	4.00	27.00	1.20	2.30				5.00			
				36	780214	0	6.10	3.00	29.20	1.30	1.30				7.50			
				37	780214	0	6.20	5.00	29.20	1.20	1.00				5.00			
				38	780214	0	6.00	3.00	32.40	1.10	1.10				7.00			
				39	780426	0	5.70	2.00	12.90	0.70	0.60				5.50			
				40	780426	0	5.90	3.00	29.20	0.90	0.90				4.50			
				41	780426	0	5.80	2.00	12.90	0.80	0.70				2.50			
				42	780523	0	6.10	3.00	80.20	1.45	1.20				8.00			

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
692	7	3	2	43	780524	0	6.20	6.00	21.60	1.20	1.20				3.50			
				44	780524	0	6.10	4.00	24.80	1.20	1.00				4.50			
				45	780524	0	6.20	3.00	106.80	1.40	1.40				29.00			
				46	780606	0	6.30	4.00	58.90	1.00	1.40				14.00			
				47	780606	0	6.40	3.00	24.90	1.40	1.40				4.00			
				48	780606	0	6.30	3.00	23.80	0.80	1.20				4.00			
				49	780606	0	6.40	2.00	23.80	1.00	1.40				4.00			
				50	780621	0	6.30	3.00	26.90	1.20	1.20				3.50			
				51	780621	0	6.40	5.00	26.10	1.20	1.40				4.00			
				52	780621	0	6.30	5.00	25.90	1.40	2.20				3.50			
				53	780621	0	6.40	6.00	27.00	1.40	1.40				4.50			
				54	780706	0	6.30	5.00	18.60	1.60	1.40				3.00			
				55	780706	0	6.20	6.00	27.10	1.20	2.10				4.00			
				56	780706	0	6.20	5.00	27.40	0.80	1.60				4.50			
				57	780706	0	6.50	5.00	27.40	1.00	2.50				4.00			
				58	780706	0	6.30	5.00	25.90	1.00	1.60				5.00			
				59	780725	0	6.50	7.00	31.80	1.40	2.50				3.50			
				60	780725	0	6.20	3.00	29.20	1.40	1.80				5.00			
				61	780725	0	6.30	4.00	28.20	0.80	1.60				5.00			
				62	780725	0	0.65	5.00	29.20	1.40	1.50				45.00			
				63	780725	0	6.50	3.00	20.30	0.80	1.50				3.00			
				64	780809	0	6.20	8.00	37.00	1.00	3.00				5.30			
				65	780809	0	6.30	5.00	32.40	1.00	2.00				4.50			
				66	780809	0	6.70	6.00	29.20	1.00	2.00				11.00			
				67	780809	0	6.40	5.00	151.20	2.20	2.00				39.00			
				68	780821	0	6.40	4.00	32.40	1.00	1.90				4.00			
				69	780821	0	6.50	4.00	32.40	1.10	2.00				4.00			
				70	780822	0	6.50	11.00	45.40	1.80	2.20				3.50			
				71	780822	0	6.10	7.00	38.90	1.40	2.20				4.00			
				72	780906	0	6.40	11.00	27.00	0.40	3.50				77.00			
				73	780906	0	6.50	5.00	33.50	1.00	2.00				4.30			
				74	780906	0	6.30	5.00	32.90	1.00	1.90				4.50			
				75	780906	0	6.30	9.00	41.00	1.00	2.30				4.80			
				76	780906	0	6.60	4.50	62.60	1.40	2.60				13.50			
				77	780920	0	5.10	1.00	54.00	1.20	2.00				6.50			
				78	780920	0	6.40	5.00	36.70	1.20	1.90				5.20			
				79	780920	0	6.04	4.00	33.50	1.00	2.10				4.50			
				80	780920	0	6.60	5.00	33.50	1.30	3.00				4.00			
				81	780920	0	6.60	5.00	23.80	1.10	2.20				9.30			
				82	781002	0	6.50	5.00	36.70	1.10	2.10				5.50			
				83	781002	0	6.60	6.00	72.40	1.50	3.00				14.50			
				84	781004	0	6.50	4.00	34.60	0.90	2.00				3.00			
				85	781004	0	6.60	5.00	35.60	1.20	3.20				4.00			
				86	781004	0	6.60	5.00	33.50	1.20	2.40				4.50			
				87	781017	0	6.40	5.00	32.40	1.00	2.30				4.50			
				88	781017	0	6.50	4.00	35.60	1.10	2.30				0.50			

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
692	7	3	2	89	781017	0	6.50	3.00	30.20	1.10	2.30				4.00			
				90	780822	0	6.20	2.00	36.70	1.10	2.00				6.50			
				91	790228	0	6.30	6.00	59.00	1.60	1.80				11.00			
				92	790228	0	6.50	6.00	49.00	1.60	2.40				9.00			
				93	790228	0	6.10	2.00	24.00	0.40	1.00				3.00			
				94	790228	0	6.20	4.00	34.00	1.10	2.30				5.00			
				95	790228	0	6.30	8.00	42.00	1.50	3.00				5.00			
				96	790530	0	6.30	4.00	19.00	0.60	2.00				2.50			
				97	790530	0	6.30	6.00	29.50	1.00	2.60				4.00			
				98	790530	0	6.40	6.00	29.00	1.00	2.60				4.00			
				99	790530	0	6.30	4.00	29.00	1.00	2.10				4.50			
				100	790530	0	6.30	4.00	29.50	0.90	2.10				4.50			
				101	790613	0	6.20	5.00	29.00	0.80	2.00				2.50			
				102	790613	0	6.20	5.00	30.00	1.00	2.10				5.00			
				103	790613	0	6.40	6.00	31.00	1.40	2.80				4.00			
				104	790613	0	6.60	6.00	32.50	1.20	2.10				5.00			
				105	790613	0	6.60	1.00	20.00	1.00	1.60				5.00			
				106	790626	0	6.10	4.00	22.50	0.80	1.10				4.50			
				107	790626	0	6.20	4.00	32.00	1.00	2.20				5.00			
				108	790626	0	6.20	6.00	34.00	1.20	2.70				4.00			
				109	790626	0	6.20	6.00	32.50	1.00	0.80				5.50			
				110	790626	0	6.20	2.00	32.50	1.20	1.20				5.00			
				111	790709	0	5.90	6.00	29.50	1.20	1.10				3.50			
				112	790709	0	6.20	6.00	33.00	1.20	1.30				5.00			
				113	790709	0	6.30	6.00	35.00	1.00	1.10				5.50			
				114	790709	0	6.20	5.00	34.00	1.00	1.60				4.50			
				115	790709	0	6.30	5.00	33.00	1.00	1.10				5.50			
				116	790801	0	6.50	3.00	23.50	1.00	1.30				3.50			
				117	790801	0	6.40	5.00	36.00	1.20	2.70				4.00			
				118	790801	0	6.50	6.00	37.00	1.40	3.30				4.50			
				119	790801	0	6.70	5.00	35.10	1.40	1.40				5.00			
				120	790801	0	6.40	4.00	34.50	1.00	1.10				5.50			
				121	790815	0	6.10	5.00	23.50	0.80	1.10				3.00			
				122	790815	0	6.20	5.00	35.00	1.20	2.60				5.00			
				123	790815	0	6.40	6.00	34.00	1.20	2.80				4.00			
				124	790815	0	6.20	4.00	36.00	1.40	2.60				6.00			
				125	790815	0	6.00	4.00	36.00	1.00	2.60				5.00			
				126	790829	0	6.20	3.00	24.00	0.80	2.70				3.50			
				127	790829	0	6.30	5.00	33.50	1.20	2.50				4.50			
				128	790829	0	6.40	4.00	33.00	1.20	2.80				4.00			
				129	790829	0	6.50	5.00	36.00	1.00	2.60				5.50			
				130	790912	0	6.40	3.00	29.00	1.40	2.40				3.00			
				131	790912	0	6.30	4.00	31.00	1.00	2.40				5.50			
				132	790912	0	6.20	4.00	32.00	1.00	2.70				3.50			
				133	790912	0	6.20	4.00	32.50	1.20	2.70				5.00			
				134	790912	0	6.10	4.00	33.00	1.00	2.40				4.30			

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
692	7	3	2	135	790925	0	6.00	2.00	24.00	1.40	2.40				3.50			
				136	790925	0	6.40	4.00	31.00	0.80	2.70				4.50			
				137	790925	0	6.30	3.00	30.00	1.20	2.40				4.00			
				138	790925	0	6.30	4.00	33.00	1.20	2.40				5.00			
				139	790925	0	6.30	3.00	31.00	1.00	2.70				4.00			
				140	791010	0	6.20	2.00	21.50	1.20	2.50				4.00			
				141	791030	0	6.40	4.00	30.00	1.40	2.30				4.50			
				142	791030	0	6.40	4.00	31.00	1.00	2.20				5.00			
				143	791030	0	6.40	3.00	31.50	1.40	2.40				5.00			
				144	800219	0	6.15	8.00	46.00	1.50	2.00				11.00			
				145	800219	0	6.00	7.00	33.00	1.20	1.70				7.50			
				146	800219	0	6.29	7.00	33.00	1.10	1.90				10.50			
				147	800219	0	5.90	7.00	33.00	1.20	1.90				8.50			
				148	800521	0	6.70	3.00	22.00	0.60	1.30				8.50			
				149	800527	0	6.15	3.00	22.00	0.60	1.20				8.50			
				150	800527	0	6.64	2.00	22.00	0.70	1.70				7.50			
				151	800527	0	6.13	3.00	24.00	0.80	1.80				8.00			
				152	800527	0	5.92	1.50	15.00	0.60	1.10				7.50			
				153	800610	0	6.20	2.50	23.50	0.60	1.50				6.50			
				154	800610	0	6.20	3.00	25.00	0.70	1.80				6.50			
				155	800610	0	6.38	3.00	23.00	0.80	2.10				7.00			
				156	800610	0	6.20	3.00	24.00	0.80	1.80				7.00			
				157	800610	0	5.90	2.00	15.00	0.40	1.50				5.50			
				158	800624	0	6.20	3.50	25.00	0.80	1.80				7.50			
				159	800624	0	6.00	3.00	26.00	0.80	0.18				8.00			
				160	800624	0	6.70	3.50	24.00	0.80	2.20				8.00			
				161	800624	0	6.26	3.50	24.00	0.80	1.80				8.00			
				162	800624	0	6.30	2.00	17.00	0.50	1.70				7.00			
				163	800708	0	6.00	4.00	26.00	0.70	1.70				7.00			
				164	800708	0	6.18	3.50	26.00	0.80	2.20				6.00			
				165	800708	0	6.05	4.00	25.00	0.90	2.30				6.00			
				166	800708	0	6.00	4.00	25.00	0.90	2.90				7.00			
				167	800708	0	5.80	3.00	17.00	0.60	2.20				5.50			
				168	800805	0	6.00	4.00	26.00	0.80	2.00				7.00			
				169	800805	0	6.50	5.00	27.00	1.00	2.50				7.00			
				170	800805	0	6.32	5.00	28.00	1.00	2.50				8.00			
				171	800805	0	6.50	5.00	27.00	1.00	1.90				6.50			
				172	800805	0	6.11	4.50	19.00	0.80	2.20				6.00			
				173	800819	0	6.35	4.50	23.00	0.90	1.90				4.00			
				174	800819	0	6.20	5.50	44.00	1.50	3.30				14.00			
				175	800819	0	5.81	3.50	23.00	0.90	2.20				6.50			
				176	800819	0	5.90	4.00	25.00	1.00	2.30				7.00			
				177	800819	0	5.63	2.00	18.00	0.70	1.90				7.00			
				178	800903	0	5.94	4.00	39.00	1.20	2.20				11.00			
				179	800903	0	6.08	4.20	39.00	1.30	2.20				9.50			
				180	800903	0	6.13	4.80	38.00	1.20	2.40				11.00			

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
692	7	3	2	181	800903	0	6.40	4.00	31.00	1.20	2.40				7.50			
				182	800903	0	5.82	4.00	27.00	0.90	2.20				7.50			
				183	800916	0	6.09	4.50	46.00	1.30	2.10				12.50			
				184	800916	0	6.30	4.20	36.00	1.30	2.20				8.00			
				185	800916	0	5.80	4.00	39.00	1.30	2.40				8.50			
				186	800916	0	5.90	3.00	32.00	1.20	2.40				9.00			
				187	800916	0	5.80	3.00	31.00	1.00	2.20				10.50			
				188	800930	0	6.10	4.00	39.00	1.20	2.40				11.50			
				189	800930	0	6.10	4.00	33.00	1.00	2.20				8.00			
				190	800930	0	6.02	3.50	50.00	1.20	2.40				14.00			
				191	800930	0	6.12	2.50	112.00	1.50	2.20				37.00			
				192	800930	0	5.70	2.00	39.00	0.90	1.90				11.00			
				193	801015	0	6.22	4.00	29.00	1.20	1.90				10.00			
				194	801015	0	6.20	4.00	34.00	1.20	2.20				10.50			
				195	801015	0	6.15	4.00	28.00	1.00	2.80				7.50			
				196	801015	0	6.20	4.00	39.00	1.20	2.30				11.50			
				197	801015	0	5.92	3.00	23.00	1.00	2.20				8.00			
						0	6.21	4.23	31.80	1.05	2.05				6.70			
693	4	2	2	1	8011	0	5.70	0.42	20.00		0.80	0.31	1.70	0.10	2.40	2.50		50
694	16	3	2	1	721204	0	6.51			1.08	4.34	1.66			17.00			
695	10	1	1	1	7207	0	7.28		101.00									70
696	16	3	2	1	710223	0	6.80	8.50	50.00	1.64								50
697	16	1	2	1	760924	0	6.56	5.60		0.94	2.00	0.20						
				2	770516	0	6.57	23.80		2.61	6.65	3.76			26.90			
				3	800324	0	6.42	13.20	65.43	2.21	3.02	3.51						65
						0	6.52	14.20	65.43	1.92	3.89	2.49			26.90			65
698	7	2	2	1	641101	0	6.50		13.00	0.60								
				2	680522	0	5.75	3.00	11.50	1.00								
						0	6.13	3.00	12.25	0.80								
699	16	1	2	1	770601	0	7.46	73.00	197.00	9.38	18.90	11.30						30
700	7	4	1	1	720901	0	6.15	3.50	42.00	0.90	1.70				8.80		4.30	
701	16	1	2	1	7608	0					1.56	0.68						
702	7	4	1	1	730401	0	6.35	3.00	60.00	1.00	1.80				14.50		3.66	
703	20	5	2	1	800816	0	5.29	1.00	20.00	0.24					7.00			
				2	800824	0	5.50	1.00	20.00	0.37					5.00			
						0	5.39	1.00	20.00	0.30					6.00			

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEPT	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
704	4	5	2	1	8011	0	5.90	1.10	16.00		0.70	0.24	1.60	0.10	2.00	2.00		20
706	7	1	1	1	720112	0		54.70	134.00		18.20	3.50	3.80		5.30	3.70		
				1	720501	0	7.80	42.00	83.00	5.00	10.70				5.00		51.20	
				2	720212	0	7.10	58.90	146.00		19.00	3.00	4.20		6.70	4.60		
				3	720312	0	7.40	53.00	128.00		18.00	3.50	4.10		6.70	5.30		
				4	720412	0	7.40	49.50	112.00		16.60	3.50	3.70		5.30	5.80		
				5	720512	0	7.30	45.30	106.00		12.00	3.10	3.80		5.40	4.10		
				6	720612	0	7.20	41.10	94.60		12.00	2.90	3.40		4.90	3.80		
				7	720712	0	7.80	44.40	123.00		15.50	3.00	3.60		4.70	4.50		
				8	720812	0	7.90	47.30	120.00		14.70	3.70	3.20		4.60	4.20		
				9	720912	0	7.20	49.00	121.00		16.00	3.30	3.30		4.70	8.00		
				10	721012	0	7.20	48.40	113.00		16.50	3.50	3.50		5.10	2.90		
				11	721112	0	7.20	45.60	116.00		15.50	3.30	3.50		5.70	3.80		
				12	721212	0	7.70	52.90	141.00		17.30	4.00	5.80		9.30	5.50		
				13	730112	0	6.90	56.80	134.00		16.80	3.40	3.90		5.30	7.60		
				14	730212	0	7.30	54.40	137.00		18.00	4.00	4.70		6.40	3.00		
				15	730312	0	6.90	55.20	136.00		16.40	4.10			6.50	5.00		
				16	730412	0	7.10	33.20	147.00		18.00	4.20	4.20		7.40	4.30		
				17	730512	0	7.40	47.00	93.50		9.40	3.20	3.60		7.30	2.40		
				18	730612	0	7.30	44.00	121.00		15.00	3.20	3.80		6.30	7.80		
				19	730712	0	7.40	47.30	122.00		14.00	3.50	3.70		6.40	5.00		
				20	730812	0	7.60	53.80	120.00		15.10	3.50	4.00		6.30	5.00		
				21	730912	0	7.70	49.60	128.00		18.00	3.50	4.10		6.00	6.00		
				22	731012	0	7.40	52.30	134.00		16.90	3.90	4.00		6.80	4.00		
				23	731112	0	7.90	52.30	135.00		17.50	4.10	4.20		7.60	5.00		
				24	731213	0	7.20	45.70	118.00		14.00	4.10	3.90		7.00	5.00		
				25	740117	0	7.80	60.60	139.00		20.40	3.60	4.30		6.60	5.00		
				26	740223	0	7.30	56.00	146.00		21.00	4.10	5.40		8.30	5.00		
				27	740312	0	7.40	50.80	133.00		18.00	3.60	3.70		6.20	7.00		
				28	740412	0	7.50	51.80	130.00		11.50	3.80	4.30		8.20	5.00		
				29	740512	0	6.90	33.60	103.00		13.00	4.00	4.70		9.20	5.00		
				30	740612	0	7.70	41.20	106.00		22.00	3.30	4.00		6.70	7.00		
				31	760104	0	7.10	75.40	182.00		16.00	4.30	6.20		11.50	5.00		
				32	760212	0	7.40	50.70	149.00		10.00	4.40	7.60		8.80	4.60		
				33	760312	0	7.00	56.80	145.00		16.00	4.50	4.20		8.20	4.80		
				34	760412	0	7.40	42.60	113.00		11.70	4.50	4.60		9.10	6.00		
				35	760512	0	7.40	39.40	102.00		16.00	3.40	4.00		7.90	3.50		
				36	760612	0	7.00	44.90	120.00		17.50	3.70			8.30	3.50		
				37	760712	0	7.90	51.80	137.00		19.00	3.70			6.90	4.50		
				38	760813	0	7.80	54.60	115.00		17.00	3.80			7.20	4.30		
				39	760913	0	7.60	57.20	129.00		16.00	4.40			7.20			
				40	761012	0	7.70	52.30	105.00		16.00	4.50			8.90	3.50		
				41	761115	0	7.60	45.60	124.00		23.00	3.70			8.40	4.00		
				42	761212	0	7.40	89.00	260.00		15.50	12.50			24.00	3.40		
				43	770112	0	7.90	50.50	110.00		17.00	3.60			7.80	6.50		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	MAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
706	7	1	1	44	770212	0	8.00	52.40	128.00		18.00	3.70			8.30	4.70		
				45	770312	0	7.70	51.90	143.00		13.20	4.00			8.90	4.40		
				46	770412	0	7.50	41.00			16.00	3.70			9.80	5.00		
				47	770612	0	7.90	45.00	127.00		16.20	3.00			7.60	4.70		
				48	770712	0	7.80	47.70	120.00		17.00	3.50			7.40	4.30		
				49	770712	0	7.70	49.50	124.00			4.10			8.00	3.80		
				50	771030	0	7.70	46.40	125.00		16.00	4.00	3.80		6.80	3.50		
				51	771112	0	7.90	56.70	128.00		16.00	4.10	4.00		7.40	3.80		
				52	771212	0	7.80	54.60	140.00		20.00	3.70	4.40		8.00	3.80		
				53	780206	0	7.80	49.60	132.00		18.00	3.00	4.40		8.70	3.80		
				54	780224	0	7.80	52.80	135.00		18.00	4.10	4.40		8.60	3.80		
				55	780415	0	8.10	50.70	136.00		14.00	4.00	4.60		7.70	3.70		
				56	780514	0	7.40	28.00	87.00		8.70	3.00	4.00		6.40	2.50		
				57	780612	0	7.60	44.00	117.00		15.00	3.40	4.20		6.30	3.50		
				58	780716	0	7.80	50.00	128.00		17.00	3.30	4.20		7.50	3.40		
				59	780812	0	7.90	50.00	132.00		17.00	2.50	3.80		7.30	4.00		
				60	780917	0	7.90	50.00	129.00		17.00	2.80	4.20		6.50	3.50		
				61	781119	0	7.70	44.00	114.00		16.00	1.50	4.20		7.90	3.50		
				62	781221	0	7.80	54.00	133.00		19.00	2.70	4.20		8.00	4.10		
				63	790121	0	8.20	46.00	128.00		16.00	3.50	4.60		8.00	4.00		
				64	790217	0	7.80	56.80	145.00		20.00	4.00	4.90		9.00	4.00		
				65	790312	0	8.00	62.00	178.00		14.00	8.60	7.00		13.40	3.50		
						0	7.55	50.18	128.31	5.00	16.16	3.82	4.28		7.57	4.52	51.20	
707	7	5	1	1	730501	0	6.10	3.00	22.00	0.40	0.50				6.50		3.66	
708	38	4	2	1	790626	0	4.80	1.00	49.12	1.17	1.45	1.03						45
				2	790626	0	4.75	1.00	49.12	0.83	1.57	1.02						50
						0	4.77	1.00	49.12	1.00	1.51	1.02						48
709	10	1	1	1	7207	0	5.98		27.80									35
711	7	4	1	1	720901	0	5.75	1.00	26.00	0.60	0.50				7.00			
712	7	4	1	1	730701	0	5.80	2.00	28.00	0.40	0.60				7.00		2.44	
713	16	3	3	1	800213	0	6.17	5.30	152.69	2.95	6.95	2.51						60
714	16	2	2	1	790830	0	7.44	16.80	48.07	2.11	6.62	1.04						10
715	7	5	1	1	750513	0	6.80	12.00	25.42	0.70	1.00				5.06	0.86		
				2	750529	0	6.80	5.00	55.86	1.10	2.30				8.00	3.85		
				3	750612	0	7.00	10.00	48.60	1.30	2.10				6.50	2.80		
				4	750612	0	7.30	16.00	58.30	1.50	4.00				8.00	4.80		
				5	750715	0	7.20	17.00	65.66	1.70	4.30				7.00	3.60		
				6	750730	0	6.90	9.00	50.40	1.70	2.80				0.65	8.00		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	CHL
				7	750813	0	7.20	23.00	76.80	1.90	4.80				8.00	4.40		
715	7	5	1	8	750829	0	6.10	2.00	41.30	1.00	1.30				5.50	6.80		
				9	750915	0	6.90	9.00	50.60	1.60	2.80				6.50	2.14		
				10	750930	0	6.80	8.00	46.20	1.50	2.20				7.50	4.81		
				11	751015	0	6.30	4.00	31.90	1.20	1.40				5.50	2.61		
				12	751030	0	7.00	10.00	45.60	1.80	2.20				6.50	3.14		
				13	751113	0	6.90	7.00	40.70	1.20	2.00				6.50	1.47		
				14	751127	0	6.40	4.00	36.60	0.90	1.10				7.00	1.47		
				15	751215	0	6.60	5.00	40.70	1.00	1.60				8.00	1.05		
				16	751230	0	6.60	5.00	44.00	1.00	1.60				7.50	1.58		
				17	760115	0	6.60	8.00	48.72	1.70	1.60				8.50	0.51		
				18	760315	0	6.30	3.00	51.84	1.00	1.30				13.00	0.43		
				19	760421	0	6.40	5.00	78.40	1.00	2.30				13.50	3.00		
				20	760525	0	6.50	4.00	43.20	0.80	2.00				19.00	0.45		
				21	760616	0	6.40	6.00	43.86	1.00	2.70				9.00	3.60		
				22	760721	0	6.50	10.00	64.80	1.40	3.30				9.00	3.31		
						0	6.70	8.27	49.52	1.27	2.30				7.98	2.94		
				1	750513	0	6.90	18.00	65.90	1.30	4.00				12.50	6.17		
716	7	5	2	2	750529	0	7.00	12.00	10.37	2.00	5.30				14.50	6.68		
				3	750611	0	7.40	15.00	108.00	2.70	6.70				17.50	3.31		
				4	750630	0	7.30	16.00	118.80	2.50	6.40				18.50	10.50		
				5	750715	0	7.40	16.00	107.80	2.70	7.80				18.00	10.70		
				6	750730	0	7.10	21.00	145.60	2.90	7.80				19.00	9.50		
				7	750813	0	7.20	22.00	130.80	3.30	7.70				15.00	12.90		
				8	750829	0	6.90	17.00	116.60	2.50	0.60				16.00	8.00		
				9	750915	0	7.30	34.00	176.00	5.20	13.10				31.50	11.80		
				10	750930	0	7.30	21.00	137.50	3.50	9.30				19.50	10.70		
				11	751015	0	6.80	10.00	72.90	2.10	4.60				11.50	9.40		
				12	751030	0	6.90	11.00	76.40	2.00	4.90				11.00	10.90		
				13	751113	0	7.00	12.00	81.80	2.40	5.20				11.50	14.70		
				14	751127	0	6.70	7.00	255.30	4.00	10.70				72.50	8.10		
				15	751215	0	6.40	5.00	127.60	2.40	5.30				34.50	1.58		
				16	751230	0	6.30	7.00	143.00	2.60	6.00				40.00	1.58		
				17	760115	0	6.10	7.00	324.80	7.20	15.20				90.00	1.02		
				18	760421	0	6.50	6.00	266.00	3.20	11.00				55.00	5.60		
				19	760525	0	7.00	10.00	123.12	2.00	6.00				27.50	8.55		
				20	760616	0	6.70	10.00	112.20	1.80	5.00				22.50	6.30		
				21	760721	0	6.50	10.00	146.88	2.80	8.00				29.00	6.14		
						0	6.89	13.67	135.59	2.91	7.17				27.95	7.82		
717	4	2	2	1	8011	0	6.50	6.30	19.00		1.60	0.35	1.10	0.10	1.70	1.80		5
718	7	5	1	1	730501	0	6.40	2.00	30.00	0.60	1.20				9.50		2.44	
719	4	3	2	1	8011	0	6.70	4.30	25.00		1.60	0.48	2.00	0.50	2.90	2.30		70

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
720	6	3	1	1	660530	0	6.00	1.70	18.70				1.60		2.80	2.30		
				2	660602	0	5.70	1.30	17.30			0.37	1.50		2.70	2.60		
				3	660707	0	5.90	1.20	18.10				1.70		3.10	4.00		
				4	660908	0	6.40	1.40	18.90				1.80		2.30	4.00		
				5	660909	0	6.30	1.80	19.30				1.70		2.60	1.60		
				6	661013	0	6.40	2.30	19.90				1.90		2.80	2.60		
				7	661013	0	6.40	2.20	20.30				1.90		2.80	2.40		
				8	661013	0	6.40		19.90						2.30	1.60		
				9	690805	0	6.10	5.30	18.50		1.20		1.60		2.60	1.40		
				10	690909	0	6.00	2.60	18.30		1.00		1.80		3.40	1.20		
				11	691014	0	6.30	2.70	18.30		1.00		2.00		2.60	2.20		
				12	691107	0	6.50	2.90	18.10		1.50		1.90		2.70	3.50		
				13	691208	0	5.80	2.80	18.90		1.10		1.80		2.50	2.70		
				14	700113	0	5.70	2.30	18.00		0.90		1.70		2.10	2.40		
				15	700203	0	5.70	2.20	19.00		1.00		1.80		3.00	2.10		
				16	700311	0	4.50		19.20		1.50		1.50		2.50	5.90		
				17	700415	0	5.70	2.10	16.70		1.40		1.80		3.70	1.70		
				18	700504	0	5.60	1.70	16.20		1.00		1.50		2.30	2.20		
				19	700608	0	5.70	2.80	14.00		0.90		1.40		2.00	1.80		
				20	700721	0	5.50	2.10	14.20		0.90		1.20		0.70	3.00		
				21	700810	0	5.50	2.20	15.20		1.00		1.30		1.80	2.40		
				22	700916	0	5.80	2.70	16.30		1.10		1.30		2.30	1.80		
				23	701019	0	5.70	2.60	16.70		1.20		1.50		2.10	2.40		
				24	701125	0	5.40	1.60	18.50		1.20	0.50			2.30	3.00		
				25	701203	0	5.60	1.90	18.20		1.50	0.50			2.50	3.50		
				26	710210	0	5.60	1.60	11.30		0.80	0.30			1.80	1.00		
				27	710311	0	5.90	2.40	20.10		1.50	0.50			3.30	3.00		
				28	710420	0	5.30	1.10	15.90		0.80	0.40			2.00	5.60		
				29	710505	0	5.60	2.40	14.70		0.80		1.20		2.00	1.10		
				30	710616	0	5.80	1.20	14.40		0.80		1.30		2.20	1.60		
				31	710715	0	5.30	2.50	14.30		1.00		1.30		2.30	1.40		
				32	710813	0	5.80	2.00	17.30		1.00		1.40		2.30	2.10		
				33	710902	0	5.00	2.00	15.60		1.00		1.40			1.40		
				34	711108	0	5.90	1.60	16.00		0.90		1.50		2.20	1.80		
				35	711214	0	5.80	2.90	18.80		7.10		1.60		2.60	1.90		
				36	720113	0	5.00	2.40	20.40		1.00		1.80		2.00	2.00		
				37	720211	0	6.00	2.60	20.70		1.30	0.60	1.80		3.20	2.40		
				38	720303	0	5.70	2.20	21.00		1.70	0.50	1.70		2.80	2.70		
				39	720403	0	5.60	2.30	19.60		1.20	0.50	1.50		3.00	1.80		
				40	720518	0	5.70	2.30	15.30		0.90	0.35	1.40		2.10	2.50		
				41	720609	0	5.70	2.30	15.20		0.80	4.00	1.30		2.20	1.50		
				42	720705	0	5.90	2.30	15.90		1.00	4.00	1.40		2.30	2.10		
				43	720802	0	6.10	2.70	20.80		0.90	4.00	1.50		2.40	1.80		
				44	720901	0	6.20	2.60	15.90		1.00	4.00	1.30		2.10	1.30		
				45	721011	0	6.00	2.20	15.50		1.00	4.00	1.50		2.20	1.40		
				46	721103	0	6.20	2.40	15.40		1.00	4.00	1.50		2.20	1.10		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
720	6	3	1	47	730205	0	5.00	1.90	21.00		1.00	5.00	1.80		2.50	1.70		
				48	730320	0	5.70	1.30	19.80		0.80	0.45			2.80	5.00		
				49	730418	0	5.40	3.30	19.50		1.00	0.40	1.70		2.40	1.30		
				50	730504	0	5.80	3.10	18.60		1.00	0.50	1.50		2.30	1.30		
				51	730608	0	5.60	1.80	14.00		0.80	0.30	1.30		1.70	2.00		
				52	730706	0					0.80	0.30	1.30		2.00	5.00		
				53	730823	0	6.10	2.80	15.40		0.90	0.40	1.30		1.80	5.00		
				54	730906	0	6.50	4.60	15.50		1.10	0.40	1.30		1.70	2.00		
				55	731012	0	6.20	2.80	16.60		1.00	0.50	1.40		2.00	2.00		
				56	731108	0	6.00	3.90	17.60		1.10	0.50	1.70		2.40	2.00		
				57	731205	0	5.00	2.20	18.10		1.10	0.50	1.50		2.30	5.00		
				58	740221	0	5.80	2.50	20.20		1.30	0.50	1.60		2.60	5.00		
				59	740501	0	5.70	1.10	17.40		1.00	0.50			2.30	2.00		
				60	740604	0	6.40	1.60	14.60		1.00	0.40	1.10		1.90	2.00		
				61	740704	0	6.10	1.00	15.00		0.90	0.40	1.30		2.20	2.00		
				62	740827	0	5.20	3.70	21.40		0.80	0.40	1.20		1.90	2.00		
				63	740904	0	5.20	3.30	17.10		0.90	0.40	1.40		1.90	2.00		
				64	741011	0	6.20	2.30	14.70		0.90	0.40	1.40		1.90	2.00		
				65	741112	0	5.90	3.40	16.30		1.20	0.40	1.50		2.30	4.00		
				66	741209	0	6.10		17.50		1.00	0.45	1.50		2.20	2.00		
				67	750106	0	5.60	3.20	17.70		1.10	0.50	1.50		2.70	2.00		
				68	750214	0	6.40	3.20	23.10		1.60	0.50	1.90		3.10	3.00		
				69	750305	0	6.40	4.40	21.20		1.60	0.47	1.80		3.00	2.00		
				70	750408	0	5.30	3.20	27.70		1.10	0.50	1.60		2.30	4.00		
				71	750505	0	6.40	4.30	17.30		0.90	0.40	1.30		2.10	2.00		
				72	750605	0	7.30	2.80	22.80		1.00	0.35	1.40		3.20	2.00		
				73	750717	0	6.50	3.60	18.40		1.30		1.33		1.90	2.00		
				74	750804	0	5.90	2.30	16.00		1.00	0.45	1.20		2.10	2.00		
				75	751007	0	6.10	2.30	22.50		0.75	0.30	1.50		2.00	2.00		
				76	751203	0	6.10	3.10	17.60		1.00	0.40	1.70		2.20	1.80		
				77	760107	0	6.00	1.10	18.20		1.10	1.10	5.00		1.60	2.40		180
				78	760209	0	5.60	3.00	22.30		3.20	0.90	0.40		1.40	2.30		
				79	760305	0	6.10	0.80	17.10		2.20	0.80	0.50		1.60	2.90		
				80	760406	0	5.80	2.10	18.30		3.10	0.90	0.40		1.70	3.00		200
				81	760604	0	5.30	1.10	19.00		0.90	0.35			2.90	1.90		
				82	760720	0	5.60	3.20	18.30		0.90	0.40			2.40	1.20		
				83	760815	0	6.10	2.20	20.00		0.90	0.40			3.00	1.40		
				84	760913	0	6.70	3.10	21.00		1.00	0.42			2.80	1.50		
				85	761014	0	6.80	2.90	30.00		0.90	0.40	1.80		2.70	1.60		
				86	761111	0	6.20	2.90	25.00		0.20	0.45	1.80		2.90	2.40		
				87	761201	0	5.50	2.40	50.00		1.10	0.50	2.00		3.40	2.80		
				88	770108	0	5.40	1.60	65.00		1.10	0.56	2.10		3.60	3.80		
				89	770210	0	4.70	0.50	55.00		1.10	0.55	1.90		3.70	5.30		
				90	770315	0	6.00	1.50	50.00		1.10	0.55	2.00		3.80	2.50		
				91	770413	0	5.80	2.20	45.00		1.00	0.50	5.10		9.50	3.00		
				92	770512	0	5.60	2.10	50.00		1.00	0.42	1.70		3.40	2.10		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
720	6	3	1	93	770613	0	6.10	0.90	35.00		0.80	0.45	1.50		2.70	2.00		
				94	770809	0	5.80	0.80	40.00		0.90	0.42	1.70		2.60	2.70		
				95	770908	0	6.10	2.20	35.00		0.90	0.45	1.50		2.00	2.00		
				96	771018	0	6.10	0.50	45.00		1.10	0.45	1.60		3.10	2.00		
				97	771108	0	6.30	1.50	50.00		1.10	0.50	1.70		2.40	2.40		
				98	771206	0	6.20	1.40	70.00		1.20				2.20	2.60		
				99	780104	0	6.00	2.10	65.00		1.20	0.50	1.80		2.40			
				100	780210	0	5.50	1.20	60.00		1.00	0.50	1.60		3.20	2.80		
				101	780309	0	5.60	0.50	60.00		0.95	0.46	1.70		2.70	2.60		
				102	780404	0	5.90	1.30	50.00		1.00	0.40	1.70			2.50		
				103	780503	0	6.00	1.20	60.00		1.00	0.44	1.80					
				104	780619	0	6.00	0.50	40.00		0.90	0.35	1.60		2.20	2.20		
				105	780718	0	5.80	1.20	35.00		0.90	0.40	1.50		2.05	2.00		
				106	780911	0	6.40	1.90	30.00		0.90	0.37	1.70			2.00		
				107	781024	0	6.20	2.10	40.00		0.80	0.20	1.70			2.00		
				108	781114	0	6.50	2.60			0.70	0.30	1.60		2.60	1.70		
				109	790125	0	6.00	2.40	40.00		1.00	0.50	1.70			2.30		
						0	5.88	2.23	24.44		1.14	0.80	1.61		2.50	2.41		190
721	7	3	1	1	720801	0	6.30	1.50	15.00	0.35	0.70				3.50			
722	7	3	1	1	800623	0	6.00	1.00	14.00	0.40	0.80	0.34			5.50	1.00		
				2	800704	0	5.90	1.00	14.00	0.50	1.00	0.34			5.00	1.00		
				3	800723	0	6.00	1.00	14.00	0.60	1.00	0.36			5.00	1.00		
				4	800808	0	6.10	1.00	13.50	0.40	1.00	0.36			5.00	1.00		
				5	800815	0	5.90	2.00	14.00	0.40	0.70				6.50			
				6	800821	0	5.98	2.00	14.00	0.40	0.60				8.00			
				7	800905	0	5.91	2.00	15.00	0.40	0.70				8.00			
						0	5.97	1.43	14.07	0.44	0.83	0.35			6.14	1.00		
723	16	4	2	1	791011	0	7.11	4.20	60.24	0.90	2.09	0.92						10
724	7	5	1	1	730501	0	5.80	1.00	12.00	0.50	0.50				12.00			
725	7	4	2	1	720501	0	7.20	7.00	50.00	1.30	3.50				14.00		8.50	
726	6	4	2	1	700615	0	5.60	2.30	30.90	0.41	0.80		3.90		6.70	1.10		
				2	700615	0	5.50	1.80	30.40	0.41	0.80		3.80		6.60	2.10		
				3	700615	0	5.50	2.00	30.40	0.43	0.90		3.80		6.40	2.50		
						0	5.53	2.03	30.57	0.42	0.83		3.83		6.57	1.90		
727	7	4	2	1	720101	0	5.35	1.00	34.00	0.80	8.00							
728	40	4	2	1	7305	0			33.00		0.92	0.64	3.70		7.40	3.50		75
729	7	3	2	1	720601	0	7.03	6.00	22.00	1.65	1.20				4.00		7.30	

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEPT	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
730	7	4	2	1	730201	0	6.00	2.00	28.00	0.60	0.90				13.00		2.44	
731	7	4	2	1	730301	0	5.60	1.00	36.00	0.60	0.90				11.00			
				2	790730	0	6.20	1.00	35.00	0.80	1.30				8.80			
						0	5.90	1.00	35.50	0.70	1.10				9.90			
732	7	5	1	1	730501	0	6.05	2.00	29.00	0.60	1.00				9.50		2.44	
733	6	5	1	1	770714	0	6.02	1.20			1.98	1.05	9.83		24.80	2.66		
				2	770809	0	6.00	5.00			2.31	0.97	7.30			6.80		
				3	770920	0	5.82	1.80			2.20	0.99			17.00			
				4	771117	0	5.75	1.80			3.20	0.98	6.48		18.40	2.50		
				5	780111	0	5.05					0.83			18.30			
				6	780315	0	6.04	3.60				0.98			15.30			
				7	780516	0	5.40	3.20				0.74			16.60			
				8	780614	0	5.35	10.40				0.66			10.80			
				9	780725	0	5.30	2.60				0.85	6.28		12.80	1.00		
				10	790906	0	5.70	4.20				0.99			16.80			
				11	781011	0	5.35	1.60				0.91			17.90			
				12	790104	0	4.45	4.00			1.22	1.13	5.89		19.00	4.00		
				13	790206	0	5.40	1.20			1.71	0.71			15.90			
				14	790206	0	5.80	1.60			1.25	0.64			18.80			
				15	790312	0	5.44	1.60				0.69			15.00			
				16	790419	0	6.10	18.00				0.74			16.00			
				17	790531	0	4.65	1.00				0.79			16.00			
				18	790716	0	8.93	17.00				0.92			16.00			
				19	790822	0	5.70	4.80	46.30		1.45	0.85	4.92		7.00	3.00		
				20	790918	0	6.46	6.60	53.10						19.00	7.50		
				21	791031	0	6.01	3.40	48.10		0.77	0.78			14.00	7.00		
				22	791128	0	6.07	1.60	43.90				4.73		11.00	5.00		
				23	801029	0	6.03	1.70	49.60		1.72	0.82			12.00	5.00		
				24	800221	0	6.21	1.80	48.20						13.00	5.00		
				25	800430	0	6.30	1.40	40.10		1.65	0.64	7.13		11.00	5.00		
				26	800528	0	6.35	1.00	43.80						8.00	5.00		
						0	5.83	4.08	46.64		1.77	0.85	6.57		15.22	4.57		
734	7	4	2	1	730701	0	6.85	4.00	41.00	0.90	2.20				7.50		4.88	
735	16	2	2	1	800305	0	8.43	90.50	299.20	8.20	19.70	7.95						
				2	730524	0	6.50	70.80	187.00	8.31	19.00	8.70	6.50		15.00	5.50		
						0	7.46	80.65	243.10	8.25	19.35	8.32	6.50		15.00	5.50		
736	20	5	2	1	800811	0	5.77	2.00	20.00	0.33	0.79	0.33			8.00			
				2	800811	2	5.70	1.00	20.00	0.33	0.90	0.28			8.00			
				3	800811	5	5.45	1.00	20.00	0.25	0.64	0.23			9.00			
				4	800811	10	5.51	1.00	20.00	0.26	0.65	0.24			8.00			

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
736	20	5	2	5	800811	15	5.34	1.00	20.00	0.25	0.66	0.23			8.00			
				6	800811	20	5.30	1.00	20.00	0.28	0.74	0.23			8.00			
				7	801025	0	5.15	1.00	20.00	0.34	0.98	0.24			6.00			
				8	801025	2	5.12	1.00	20.00	0.35	1.00	0.26			5.00			
				9	801025	5	4.34	1.00	20.00	0.24	6.20	0.23			5.00			
				10	801025	10	5.41	1.00	20.00	0.33	7.80	0.35			6.00			
				11	801025	15	5.31	1.00	20.00	0.27	7.00	0.24			6.00			
				12	801025	20	5.42	1.00	20.00	0.28	7.20	0.25			6.00			
						9	5.32	1.08	20.00	0.29	2.88	0.26			6.92			
737	20	5	2	1	800816	0	5.54	1.00	20.00	0.25	0.65	0.22			8.00			
				2	801029	0	6.81	1.00	20.00	0.26	0.66	0.24			6.00			
						0	6.17	1.00	20.00	0.25	0.65	0.23			7.00			
738	20	5	1	1	800816	0	5.15	1.00	20.00	0.34	0.94	0.27			7.00			
				2	801029	0	5.70	2.00	20.00	0.33	0.87	0.29			6.00			
						0	5.42	1.50	20.00	0.33	0.90	0.28			6.50			
739	7	4	1	1	720501	0	6.19	1.50	39.00	0.60	1.40				11.30		1.80	
740	7	4	2	1	720401	0	5.76	1.00	39.00	0.60	1.20				10.00			
741	7	4	2	1	750224	0	6.60	9.00	42.64	1.00	2.50				14.50			
				2	750226	0	6.40	7.00	63.64	1.20	2.50				16.00			
				3	750325	0	6.90	4.00	57.24	0.80	1.30				12.00			
				4	750408	0	5.70	1.00	10.20	0.20	0.20				2.50			
				5	750421	0	5.80	2.00	22.26	0.40	0.20				4.50			
				6	750520	0	6.10	1.00	41.04	0.30	1.00				10.50			
				7	750620	0	6.10	2.00	46.64	0.60	1.00				10.50			
				8	750721	0	5.70	1.00	50.40	0.70	1.30				12.00			
				9	750819	0	6.10	2.00	53.00	0.80	1.20				13.50			
				10	750919	0	6.60	5.00	50.60	1.00	1.40				14.00			
				11	751020	0	6.20	1.00	46.79	0.70	0.90				13.00			
				12	751120	0	6.00	1.00	50.60	0.70	1.00				12.50			
				13	751219	0	6.50	2.00	50.00	0.80	1.20				14.00			
				14	760319	0	6.30	2.00	43.20	0.80	1.20				12.50			
				15	760219	0	6.10	1.00	43.20	0.70	1.00				13.00			
				16	760121	0	6.40	2.00	46.40	0.70	1.00				12.50			
						0	6.22	2.69	44.87	0.71	1.18				11.72			
742	6	1	1	1	710729	0	7.10	13.10	39.10		3.60	1.40	1.80		2.70	2.90		
				2	710802	0	7.00	13.30	44.10		4.20	1.60	2.10		3.00	2.90		
				3	710901	0	7.00	11.70	39.00		3.70	1.40	1.80		2.60	2.70		
				4	711015	0	6.90	14.50	45.20		4.60	1.70	2.10		2.70	4.00		
				5	711101	0	6.70	14.10	45.00		4.50	1.60	2.00		2.70	3.40		
				6	711130	0	6.70	18.10	56.90		5.50	2.10	2.60		4.40	3.80		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
742	6	1	1	7	720101	0	6.50	13.50	45.20		4.30	1.80	2.60		3.60	4.00		
				8	720201	0	6.70	14.40	47.00		4.70		2.40		3.90	4.50		
				9	720301	0	6.90	14.00	44.40		4.90	1.40	2.40		3.70	3.10		
				10	720401	0	6.60	15.80	47.60		5.30	1.80	2.80		4.50	5.10		
				11	720405	0	6.90	17.80	43.70		5.00	2.00	2.90		5.10	4.50		
				12	720601	0	6.50	10.50	40.20		3.80	1.25	2.10		3.80	3.30		
				13	720701	0	6.70	11.30	39.50			1.30	2.10		3.70	3.20		
				14	720801	0	7.00	12.90	41.60		4.00	1.40	2.00		3.20	4.10		
				15	720831	0	6.90	8.40	40.80		4.30	1.60	2.00		3.30	8.50		
				16	721001	0	7.00	15.60	43.00		4.50	1.50	2.20		3.10			
				17	721101	0	7.40	27.40	57.10		8.80	1.70	2.10		3.30	3.20		
				18	721201	0	6.90	16.50	50.20		5.00	1.80	2.50		3.70	3.70		
				19	730101	0	6.60	12.40	56.30		4.60	1.60	2.80		4.80	4.30		
				20	730201	0	6.60	14.70	56.30		5.00	1.80	3.20		4.80	4.00		
				21	730301	0	7.00	16.90	64.80		5.60	2.20			5.50	6.00		
				22	730402	0	6.80	15.70	62.00		5.60	1.90	3.00		5.50	4.30		
				23	730505	0	7.00	17.30	65.80		5.90	2.10	3.00		5.50	4.90		
				24	730601	0	6.70	10.50	43.80		3.50	1.30	2.50		4.20	5.00		
				25	730701	0	6.60	9.30	39.20		3.50	1.30	2.20		3.80	5.00		
				26	730801	0	7.20	13.60	46.60		4.20		2.10		4.00	2.00		
				27	730904	0	7.20	15.50	49.30		4.40	1.80	2.20		4.00	5.00		
				28	731003	0	7.10	14.20	53.60		5.00	1.80	2.60		4.50	5.00		
				29	731112	0	7.00	16.40	51.90		5.00	1.80	2.50		3.90	6.00		
				30	731201	0	6.70	15.20	46.30		4.50	1.70	2.60		4.50	5.00		
				31	740101	0	6.90	14.20	48.30		4.40	1.60	2.60		4.30	2.00		
				32	740201	0	6.60	14.00	54.90		5.00	1.80	2.60		5.40	5.00		
				33	740302	0	7.00	12.60	67.10		4.90	1.70	3.20		8.00	6.00		
				34	740401	0	6.90	15.70	64.90		5.10	1.80	5.30		8.00	2.00		
				35	740502	0	6.90	13.20	56.20		5.80	2.00	4.20		5.40	5.00		
				36	740602	0	6.70	15.80	59.90		5.30	2.20			6.20	2.00		
				37	740701	0	7.10	4.60	41.00		3.60	1.30	3.10		4.90	4.00		
				38	740804	0	6.20	12.00	46.00		3.70	0.60	2.60		4.00	2.00		
				39	740901	0	7.00	17.00	58.80		4.70	2.00	2.40		4.30	2.00		
				40	741001	0	6.90	15.10	46.00		4.70	1.70	2.50		4.20	5.00		
				41	741102	0	6.90	14.30	52.30		4.70	1.80	2.50		5.00	4.00		
				42	741202	0	7.00	13.70	49.90		4.90	1.80	2.70		4.60	4.00		
				43	750101	0	6.70	20.30	63.60		4.50	2.20			4.90	4.00		
				44	750201	0	6.70	12.70	50.00		5.20	1.50	3.10		4.60	2.00		
				45	750301	0	7.20	50.80	182.00		4.40	6.00	2.70		20.00	12.00		
				46	750403	0	7.00	13.60	58.00		17.50	1.80	12.50		4.90	4.00		
				47	750501	0	6.90	18.70	61.50		5.40	2.00	3.00		5.60	2.00		
				48	750531	0	6.90	10.20	43.80		5.50	1.30	3.10		4.20	4.00		
				49	750715	0	7.40	9.60	38.80		3.50	1.40	2.30		3.50	2.00		
				50	750808	0	6.80	13.70	51.50		3.70	1.50	1.80		3.80	2.00		
				51	751001	0	7.30	13.60	57.00		4.30	1.60	2.30		3.70	2.00		
				52	751031	0	7.10	13.70	44.80		4.00	1.40	2.20		3.70	3.00		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
742	6	1	1	53	751230	0	6.80	13.20	45.30		4.10	1.50	2.50		4.50	3.00		
				54	760131	0	7.10	13.90	54.50		4.30	1.90	2.70		4.90	8.00		
				55	760229	0	6.90	11.30	55.90		5.00	1.60	2.90		6.30	4.80		
				56	760331	0	6.50	9.60	49.50		2.80	1.80	2.40		6.80	3.70		
				57	760430	0	7.00	14.60	62.00		4.80	2.20	3.90		8.00	4.30		
				58	760531	0	6.20	9.10	46.00		3.90	1.40	2.90		5.50	3.20		
				59	760715	0	7.00	12.70	62.00		4.40	1.70	4.20		7.20	3.40		
				60	760812	0	7.10	17.10	61.00		5.00	2.10	3.10		5.70	3.50		
				61	760831	0	6.80	14.00	50.00		5.00	1.60	2.90		5.00	3.50		
				62	761001	0	7.30	14.20	49.00		4.30	1.70	3.10		4.80	3.10		
				63	761101	0	7.00	14.60	55.00		4.30	1.70	3.10		4.90	3.00		
				64	761201	0	6.70	13.70	54.00		4.90	1.70	2.80		5.30	3.90		
				65	770101	0	7.40	11.30	64.00		4.90	1.70	3.20		6.50	6.50		
				66	770131	0	7.30	15.40	66.00		6.00	2.00	3.60		7.10	4.80		
				67	770301	0	7.40	14.60	68.00		5.00	2.00	3.60		6.50	4.50		
				68	770401	0	7.40	18.70	73.00		6.00	2.20	3.40		8.00	4.70		
				69	770501	0	7.10	19.00	74.50		6.20	2.20	4.00		7.50	4.50		
				70	770630	0	7.10	10.50	56.00		4.20	1.60	3.70		5.70	3.50		
				71	770701	0	7.10	5.30	28.20		2.00	0.45	3.10		3.50	2.50		
				72	770815	0	7.20	9.30	44.00		3.70	1.30	2.20		3.90	2.50		
				73	771030	0	7.10	13.90	45.00		4.30	1.80	2.10		4.00	3.20		
				74	771201	0	7.30	13.20	44.00		4.40	1.80	2.20		3.60	3.50		
				75	780129	0	7.20	12.20	51.30		4.30	1.70	2.40		4.50	3.30		
				76	780302	0	7.30	13.60	54.30		4.80	1.80	2.80		5.70	3.80		
				77	780415	0	7.60	15.10	60.00		5.50	1.90	2.90			3.80		
				78	780502	0	7.30	17.00	66.00		6.00	2.20	3.20					
				79	780604	0	7.10	10.90	45.00		3.60	1.40	3.30			2.00		
				80	780715	0	7.00	10.80	42.00		3.50	1.10	2.60			2.60		
				81	780729	0	7.10	11.10	42.00		3.80	1.50	2.20			3.00		
				82	780916	0	7.10	1.90	46.00		2.40	1.00	2.20			5.10		
				83	781116	0	7.40	8.60	43.00		3.30	1.10	2.20			3.30		
				84	791203	0	7.10	8.90	41.00		2.80	1.00	2.20			3.00		
				85	791231	0	7.20	12.10	46.00		3.70	1.10	2.70			3.50		
				86	790326	0	7.20	7.20	43.00		3.50	1.20	2.50			2.70		
						0	6.97	13.86	52.65		4.69	1.70	2.83		4.96	3.89		
743	7	1	1	1	720201	0	7.40	12.00	37.00	1.60	3.50				3.50		14.60	
744	16	1	1	1	800305	0	7.68	15.60	101.34	2.44	5.95	2.27						50
745	7	4	2	1	750729	0	5.90	1.00	19.52	0.30	0.50				4.00			
746	7	3	1	1	730701	0	6.40	4.00	22.00	0.70	1.50				4.00		4.88	
747	7	4	2	1	720501	0	6.40	2.00	28.00	0.70	1.00				7.50		2.40	

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
748	7	6	1	1	721001	0	7.70	22.00	99.00	4.00	9.50				7.00		26.80	
749	10	3	2	1	670808	0	6.30	3.60	31.50	0.71	2.60	0.10	3.20		4.80	3.60		
				1	670808	0	6.30	3.60	31.50	0.71	2.60	0.10	3.20	0.10	4.80	3.60		
				2	800506	0	4.98	1.20	40.00		1.10	0.44	4.70	0.20	6.90	3.30		100
				3	800621	0	5.70	2.40	43.00		1.60	0.43	5.40	0.20	8.40	3.00		70
				4	800715	0	6.00	2.90	40.00		1.50	0.45	4.70	0.10	6.90	2.50		75
						0	5.86	2.74	37.20	0.71	1.88	0.30	4.24	0.15	6.36	3.20		82
751	10	1	1	1	7207	0	7.28		62.00									30
752	7	3	1	1	730701	0	5.55	1.00	25.00	0.40	0.60				5.00			
753	7	4	1	1	720601	0	6.45	2.00	35.00	0.60	1.10				8.30		2.40	
754	16	4	2	1	740222	0	6.64	4.50	85.50	1.59	3.24	1.90	9.80		17.30	7.80		35
755	20	1	2	1	770926	0	4.50		20.00	0.80								150
756	20	1	2	1	790926	0	4.50		21.20	1.20								175
757	20	1	2	1	790926	0	4.40		22.80	1.20								150
758	20	1	2	1	790926	0	4.60		16.80	0.80								90
759	20	1	2	1	790926	0	4.90		18.20	1.20								175
760	10	3	2	1	670823	0	6.90	4.00	29.50	0.64	2.30	0.20	3.20	0.30	4.60	3.30		
				2	800715	0	6.70	4.90	35.00		2.20	0.55	3.50	0.20	4.50	2.80		50
						0	6.80	4.45	32.25	0.64	2.25	0.37	3.35	0.25	4.55	3.05		50
761	10	3	2	1	670823	0	6.40	4.90	31.40	0.70	1.80	0.60	3.30	0.30	4.70	2.60		
				2	800715	0	6.90	7.50	41.00		2.30	0.73	4.50	0.10	5.50	2.20		40
						0	6.65	6.20	36.20	0.70	2.05	0.66	3.90	0.20	5.10	2.40		40
762	10	3	2	1	670815	0	6.10	3.80	31.20	0.69	2.70	0.10	3.10	0.20	5.40	2.30		
				2	800715	0	6.20	4.60	28.00		1.90	0.43	2.70	0.20	3.40	3.50		100
						0	6.15	4.20	29.60	0.69	2.30	0.26	2.90	0.20	4.40	2.90		100
763	10	1	2	1	730808	0	5.40		20.90									20
764	10	1	2	1	720729	0	6.46	1.80	19.20	0.31	0.60	0.40	1.80	0.30	2.90	1.80	2.20	18
				2	730801	0	5.77	2.50	20.20	0.33	0.60	0.40	2.00	0.30	3.40	2.00	3.00	20
				3	730801	15	5.68	1.60	20.70	0.36	0.70	0.40	2.00	0.30	3.50	2.00	2.00	18
				4	730801	30	5.66		20.90									13
				5	730801	60	5.64	1.50	21.00	0.34	0.60	0.40	2.00	0.30	3.30	2.00	1.80	15
						21	5.84	1.85	20.40	0.33	0.62	0.40	1.95	0.30	3.27	1.95	2.25	17

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
765	10	1	2	1	730801	0	5.64		22.20									30
766	10	1	2	1	730712	0	5.45	0.50	10.40	0.13	0.20	0.20	0.90	0.10	0.60	2.00	0.60	5
767	10	1	2	1	720729	0	5.79	1.00	12.90	0.16	0.30	0.20	1.10	0.20	2.00	1.10	1.20	5
				2	730726	0	5.49	1.50	13.40	0.16	0.30	0.20	1.30	0.20	2.00	2.00	1.80	8
				3	730726	10	5.38		13.60									8
				4	730726	20	5.26		18.30									3
				5	730726	30	5.24	1.30	18.40	0.21	0.30	0.30	1.70	0.20	3.00	2.00	1.60	3
						12	5.43	1.27	15.32	0.18	0.30	0.23	1.37	0.20	2.33	1.70	1.53	5
768	10	1	2	1	730815	0	5.30		15.90									20
769	10	1	2	1	730708	0	5.00		17.50									80
770	10	1	2	1	730709	0	4.90		19.00									80
771	10	1	2	1	730709	0	4.75		21.00									80
772	10	1	2	1	730711	0	5.12		19.00									90
773	10	1	2	1	730711	0	5.30		21.00									90
774	10	1	2	1	730707	0	5.45	0.50	20.00	0.25	0.50	0.30	1.80	0.20	3.20	2.00	0.60	55
775	10	1	2	1	730714	0	5.83		20.00									40
776	10	1	2	1	730714	0	5.52		14.00									5
777	10	1	2	1	730714	0	5.20	0.80	15.00	0.22	0.40	0.30	1.40	0.20	2.20	2.00	1.00	50
778	10	1	2	1	730712	0	5.25	0.70	16.00	0.34	0.70	0.40	1.50	0.20	2.60	2.00	0.80	50
779	10	1	2	1	730726	0	5.62	0.50	14.70	0.22	0.40	0.30	1.30	0.20	1.60	2.00	0.60	5
780	10	1	2	1	730715	0	5.82		16.50									5
781	10	1	2	1	730712	0	5.70	1.39	13.00	0.17	0.30	0.20	1.40	0.20	2.20	2.00	1.70	5
782	10	1	2	1	730807	0	5.33		19.80									55
783	10	1	2	1	730810	0	5.41		21.10									25
784	10	1	2	1	730807	0	5.59		19.00									50
785	10	1	2	1	730808	0	5.14		21.40									60

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
786	10	1	2	1	730630	0	5.25		16.00									100
787	10	1	2	1	770810	0	5.00	0.50	44.00	0.65	1.10	0.80	5.20	0.10	10.00		0.00	170
788	10	1	2	1	770816	0	5.30		24.00									60
789	10	1	2	1	770816	0	5.70		30.00									90
790	10	1	2	1	780812	0	5.80		32.00							2.70		70
791	10	1	2	1	770810	0	5.20	1.70	58.00	1.53	2.80	1.45	7.10		1.30			375
792	10	1	2	1	780806	0												
793	10	1	2	1	780806	0												
794	10	1	2	1	770810	0	6.50		64.00									160
				2	780817	0	6.90		92.00							2.70		80
						0	6.70		78.00							2.70		120
795	10	1	2	1	780806	0												
796	10	1	2	1	770810	0	6.30	6.40	45.00	1.06	2.50	0.92	5.70	0.20	10.00		7.80	14
797	10	1	2	1	770820	0	6.60		87.00									35
				2	780817	0	6.90		125.00							2.50		30
						0	6.75		106.00							2.50		33
798	10	1	2	1	770817	0	6.90		70.00									75
799	10	1	2	1	770817	0	5.40		34.00									100
800	10	1	2	1	770817	0	6.50		46.00									90
801	10	1	2	1	770817	0	5.90		29.00									80
802	10	1	2	1	770817	0	6.50		45.00									100
803	10	1	2	1	770817	0	5.40		34.00									140
804	10	1	2	1	770817	0	5.80		44.00									130
805	10	1	2	1	770817	0	5.30		32.00									110
806	10	1	2	1	770817	0	5.50		42.00									100

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
807	10	1	2	1	770817	0	5.70		41.00									80
808	10	1	2	1	770818	0	5.70		40.00									100
809	10	1	2	1	770818	0	6.20		40.00									70
810	10	1	2	1	770806	0	6.90		44.00		2.90	0.90	4.00	0.30	6.70	1.80	11.20	50
				2	770822	0	6.90		58.00									90
						0	6.90		51.00		2.90	0.90	4.00	0.30	6.70	1.80	11.20	70
811	10	1	2	1	770822	0	5.40		33.00									140
812	10	1	2	1	770818	0	6.90		61.00									100
813	10	1	2	1	770818	0	5.40		30.00									100
814	10	1	2	1	770818	0	6.80		65.00									100
815	10	1	2	1	770818	0	6.20		35.00									80
816	10	1	2	1	770818	0	6.60		65.00									180
817	10	1	2	1	770822	0	6.40		39.00									60
				2	770822	0	6.40									4.30		160
						0	6.40		39.00							4.30		110
818	10	1	2	1	780819	0	6.30		55.00							3.20		200
819	4	6	2	1	8011	0	4.90	-0.50	30.00		1.80	0.88	1.50	0.30	2.70	5.50		100
820	4	2	2	1	8011	0	6.70	0.50	22.00		1.60	0.41	1.70	0.20	2.60	2.00		50
821	4	2	2	1	8011	0	6.80	3.50	18.00		1.10	0.36	1.40	0.10	1.60	1.50		25
822	4	6	2	1	8011	0	6.50	8.00	29.00		2.90	0.54	1.90	0.20	3.20	2.80		60
823	4	2	2	1	8011	0	6.30	0.50	18.00		1.60	0.37	1.20	0.20	1.90	2.30		70
824	4	1	2	1	8011	0	6.80	9.30	28.00		2.70	0.50	2.20	0.20	2.30	2.30		70
825	4	2	2	1	8011	0	6.00	0.41	21.00		0.50	0.34	2.20	0.20	4.30	2.00		15
826	4	2	2	1	8011	0	6.60	4.50	17.00		0.92	0.70	1.20	0.10	1.60	2.30		50
827	4	2	2	1	8011	0	7.10	9.00	36.00		4.10	0.60	1.90	0.20	3.00	2.50		40

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
828	4	2	2	1	8011	0	5.10	-0.75	26.00		1.10	0.43	1.40	0.10	1.80	2.50		15
829	4	2	2	1	8011	0	6.00	2.17	22.00		1.80	0.43	1.50	0.30	2.30	2.80		100
830	4	2	2	1	8011	0	6.10	4.70	21.00		0.70	0.46	2.00	0.20	3.60	2.00		10
831	4	2	2	1	8011	0	6.40	5.70	18.00		1.10	0.43	1.20	0.10	1.90	2.00		30
832	4	2	2	1	8011	0	4.90	-0.56	24.00		1.20	0.55	1.40	0.20	2.00	4.30		100
833	4	3	2	1	8011	0	6.70	7.50	31.00		2.70	0.73	2.20	0.40	3.40	2.30		60
834	4	3	2	1	8011	0	5.40	0.29	24.00		0.62	0.59	2.40	0.20	3.60	3.00		100
835	4	3	2	1	8011	0	5.20	0.33	19.00		1.10	0.32	1.50	0.10	2.10	3.30		100
836	4	3	2	1	8011	0	5.60	0.70	14.00		1.00	0.25	1.20	0.10	1.60	2.10		55
837	4	5	2	1	8011	0	5.80	1.96	34.00		1.50	0.62	3.40	0.40	4.90	3.00		40
838	4	6	2	1	8011	0	6.70	8.30	46.00		3.00	0.78	4.10	0.30	7.00	3.30		35
839	4	5	2	1	8011	0	5.20	-0.23	19.00		0.53	0.27	1.70	0.10	2.40	2.50		40
840	4	5	2	1	8011	0	5.40	-0.04	17.00		0.45	0.24	1.60	0.10	2.90	1.90		20
841	4	5	2	1	8011	0	5.80	0.38	14.00		0.60	0.21	1.30	0.10	2.30	1.60		10
842	4	2	2	1	8011	0	5.60	0.41	15.00		0.82	0.19	1.40	0.10	1.80	2.10		40
843	4	5	2	1	8011	0	5.70	0.79	18.00		0.82	0.28	1.50	0.20	2.10	2.00		35
844	4	2	2	1	8011	0	5.30	0.10	19.00		1.10	0.29	1.60	0.10	2.30	2.60		80
845	4	2	2	1	8011	0	5.80	0.79	16.00		1.00	0.32	1.40	0.10	1.70	3.00		100
846	4	3	2	1	8011	0	5.60	1.39	19.00		1.10	0.51	1.30	0.10	1.60	2.50		90
847	4	3	2	1	8011	0	6.30	0.70	16.00		0.70	0.22	1.70	0.10	2.00	1.50		5
849	10	1	1	1	7207	0	7.45		105.00									5
850	10	1	1	1	7207	0	7.82		82.00									3
851	10	1	1	1	7207	0	7.18		68.00									35

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
852	10	1	1	1	7207	0	6.95		68.00									35
853	10	1	1	1	7207	0	6.85		76.00									45
854	10	1	1	1	7207	0	7.86		156.00									20
855	10	1	1	1	7207	0	7.68		82.00									30
857	10	1	1	1	7207	0	6.69		23.90									45
858	10	1	1	1	7207	0	7.64		123.00									25
859	10	1	1	1	7207	0	7.48		114.00									15
860	10	1	1	1	7207	0	6.68		22.90									35
861	10	1	1	1	7207	0	7.52		83.00									25
862	10	1	1	1	7207	0	7.41		77.00									15
863	10	1	1	1	7207	0	7.44		62.00									80
864	10	1	1	1	7207	0	7.47		106.00									80
865	10	1	1	1	7207	0	6.48		29.80									60
866	10	1	1	1	7207	0	7.43		109.00									30
867	10	1	1	1	7207	0	7.38		147.00									50
868	10	1	1	1	7207	0	7.73		188.00									40
869	10	1	1	1	7207	0	7.60		172.00									55
870	10	1	1	1	7207	0	6.12		78.00									220
871	10	1	1	1	7207	0	7.34		88.00									90
872	10	1	1	1	7207	0	7.18		97.00									80
873	10	1	1	1	7207	0	6.48		112.00									40
874	10	1	1	1	7207	0	6.70		67.00									115
875	10	1	1	1	7207	0	6.64		87.00									105

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
876	10	1	1	1	7207	0	5.80		122.00									200
877	10	1	1	1	7207	0	7.14		520.00									310
878	10	1	1	1	7207	0	7.18		174.00									310
879	10	1	1	1	7207	0	7.85		147.00									90
880	10	1	1	1	7207	0	7.80		142.00									45
				2	7207	0	7.40		49.70									35
						0	7.60		95.85									40
881	10	1	1	1	7207	0	7.60		91.00									45
				2	7207	0	7.40		73.00									30
						0	7.50		82.00									38
882	10	1	1	1	7207	0	7.34		75.00									18
883	10	1	1	1	7207	0	7.12		121.00									25
884	10	1	1	1	7207	0	7.46		92.00									30
885	10	1	1	1	7207	0	6.47		20.00									25
886	10	1	1	1	7207	0	5.67		17.80									25
887	10	1	1	1	7207	0	5.77		23.80									55
888	10	1	1	1	7207	0	6.37		47.40									90
889	10	1	1	1	7207	0	6.87		91.00									40
890	10	1	1	1	7207	0	6.14		72.00									245
891	10	1	1	1	7207	0	6.62		122.00									45
892	10	1	1	1	7207	0	6.84		274.00									45
893	10	1	1	1	7207	0	7.35		142.00									70
894	10	1	1	1	7207	0	7.46		229.00									120
895	10	1	1	1	7207	0	7.78		177.00									90
896	10	1	1	1	7207	0	7.57		680.00									80

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
897	10	1	1	1	7207	0	7.42		104.00									100
898	10	1	1	1	7207	0	7.12		158.00									50
899	10	1	1	1	770810	0	6.40		55.00									100
900	13	4	1	1	770531	0	7.28	9.20			8.97	1.42	14.46		35.81	11.55		
				2	770712	0	7.20	17.00			9.91	2.25	15.85		41.12	9.03		
				3	770801	0	7.22	11.00			8.30	1.24	12.00		28.71	17.60		
				4	770818	0	6.49	11.40			7.39	1.42	12.00			17.60		
				5	770906	0		18.80			11.16	2.34			17.00			
				6	770926	0	6.86	14.40			7.22	1.99						
				7	771017	0	6.50	13.20			7.30	1.73	2.30		26.21	12.70		
				8	771031	0	6.45	13.20			6.80	1.99	11.18		28.40	9.20		
				9	771115	0	6.45	11.80			5.90	1.71	10.60		22.70	6.60		
				10	771129	0	6.45	8.80			7.00	1.77			25.50			
				11	771212	0	6.20	22.60			10.20	2.20	17.70		39.80			
				12	780123	0	6.45	7.40				2.05			34.00			
				13	780401	0	6.30						15.60		91.90			
				14	780511	0	6.05	5.00					12.45		26.50			
				15	780612	0	6.70	10.40					18.43		48.49			
				16	780713	0	6.15	15.40					17.24		31.33			
				17	780828	0	6.65	28.40					21.16		35.73	11.07		
				18	781024	0	6.55	5.60					14.91		26.27	9.00		
				19	781213	0	5.95	8.20					15.56		27.00	4.00		
				20	781219	0	5.85	2.60					24.56		52.00	10.00		
				21	790124	0	6.20	4.00			12.67		45.09		69.00	10.00		
				22	790129	0	6.22	1.80					15.85		30.00	7.00		
				23	790221	0	6.30	5.80					18.99			7.00		
				24	790330	0	6.30	4.80			7.96	1.69	27.09		44.00	2.00		
				25	790614	0	7.43	16.40					18.64		42.00	4.00		
				26	790723	0	6.22	17.00				0.71			43.00			
				27	790828	0	7.07	17.80	174.60		8.63	1.94	18.76		38.00	7.00		
				28	791015	0	6.67	7.80	108.61						26.00	23.30		
				29	791203	0	7.04	9.00	129.59		6.55	1.59			24.00	4.00		
				30	800121	0	6.33	5.10	311.87				50.28		69.00	7.00		
				31	800225	0	6.82	9.70	277.65		14.58	1.53			70.00	7.00		
				32	800325	0	6.40	3.10	253.75		5.60	1.36			60.00	5.00		
				33	800505	0	6.65	4.30	702.56		5.60	1.36	16.03		23.00	9.00		
						0	6.54	10.66	279.80		8.43	1.70	18.61		39.22	9.16		
901	7	2	1	1	740801	0	6.60	11.00	31.00	0.90					2.50			
902	7	2	1	1	740801	0	6.50	8.00	21.00	0.50					2.50			
903	7	2	1	1	740801	0	6.80	15.00	32.00	1.80					2.50			

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
904	7	2	1	1	740801	0		12.00	18.00	0.70					2.00			
905	7	2	1	1	740801	0	6.40	8.00	22.00	0.90					2.50			
906	7	2	1	1	740801	0	6.60	10.00	27.00	1.10					2.00			
907	7	2	1	1	740801	0	6.20	5.00	19.00	0.70					2.00			
908	7	2	1	1	710421	0	6.28	2.00	9.00	0.40								
				2	710426	0	6.60		10.00	0.40								
				3	710503	0	6.35	3.00	10.00	0.40								
				4	710507	0	6.30	2.00	12.00	0.40								
				5	710511	0	6.28	4.00	10.00	0.40								
				6	710513	0	6.25	4.00	11.00	0.40								
				7	710518	0	5.40	4.00	10.00	0.40								
				8	710520	0	6.32	3.00	10.00	0.50								
				9	710525	0	6.29	4.00	11.00	0.60								
				10	710527	0	6.15	2.00	13.00	0.50								
				11	710601	0	6.33	4.00	11.00	0.40								
				12	710603	0	6.24	4.00	10.00	0.50								
				13	710607	0	6.06	3.00	13.00	0.40								
				14	710609	0	6.39	2.00	12.00	0.80								
				15	710614	0	6.39	8.00	14.00	1.00								
				16	710617	0	6.54	4.00	13.00	1.00								
				17	710621	0	6.41	2.00	10.00	0.80								
				18	710623	0	6.37	3.00	11.00	1.20								
				19	710625	0	6.46	3.00	12.00	1.40								
				20	710628	0	6.56	4.00	12.00	0.60								
				21	710630	0	6.26	4.00	11.00	0.60								
				22	710702	0	6.46	6.00	13.00	0.80								
				23	711207	0	6.35	4.00	13.00	0.80								
				24	711214	0	6.45	4.00	15.00	0.80								
				25	720111	0	6.60	4.00	15.00	0.60								
				26	720118	0	6.15	4.00	13.00	0.60								
				27	720125	0	6.25	4.00	15.00	0.80								
				28	720201	0	6.20	3.00	15.00	1.00								
				29	720215	0	6.30	4.00	17.00	0.60								
				30	720223	0	6.20	4.00	15.00									
				31	720301	0	6.10	4.00	18.00									
				32	720308	0	6.40	2.00	16.00									
				33	720315	0	6.40	4.00	20.00	0.50								
				34	720322	0	6.60	4.00	15.00	0.90								
				35	720329	0	6.40	4.00	17.00	0.80								
				36	720405	0	5.80	2.00	15.00	0.60								
				37	720419	0	6.75	6.00	13.50	0.80								
				38	720609	0	6.29	4.20	10.00	0.40								

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
908	7	2	1	39	720614	0	6.70	2.00	12.00	0.60								
				40	720628	0	6.24	2.00	145.00	0.60								
				41	720702	0	6.25	1.00	17.00	0.70								
				42	720715	0	7.40	8.00	14.00	0.80								
				43	720820	0	6.80	6.00	17.00	1.00								
				44	720824	0	6.00	6.00	42.20	1.70								
				45	720920	0	6.80	6.00	23.00	1.10								
				46	721004	0	6.48	6.00	17.90	0.90								
				47	721028	0	6.55	5.00	21.30	1.00								
				48	721109	0	6.16	2.00	11.70	1.80								
				49	721123	0	6.18	2.00	14.40	0.60								
						0	6.38	3.80	16.86	0.74								
909	6	6	1	1	710818	0	6.90	19.90	69.90		6.95							
910	6	6	1	1	710826	0	5.90	5.70	28.40		2.80	0.70	1.80		2.20	3.10		
				2	710928	0	6.70	0.40	36.00		3.50	0.70	2.00		2.90	2.60		
				3	711129	0	6.10	6.30	32.90		3.00	0.85	2.10		3.70	3.20		
				4	711222	0	6.50	6.70	21.70		2.60	0.50	1.10		1.50	1.60		
				5	710525	0	6.10	4.90	29.30		2.40	0.70	2.10		3.60	4.00		
				6	720727	0	6.70	9.20	35.80		3.20	0.80	2.30		3.00	3.80		
				7	720825	0	6.80	9.60	35.80		3.70	0.90	2.20		3.20	4.60		
				8	721127	0	4.60	7.00	23.20		2.50	0.70	1.20		1.90	2.10		
				9	721227	0	6.20	11.00	94.70		6.50	2.10	7.70		17.00	6.80		
				10	730126	0	6.70	13.10	57.20		4.90	1.30	4.20		6.30	3.50		
				11	730228	0	6.10	10.50	57.30		4.10	1.20	3.80		6.40	6.00		
				12	730328	0	6.50	14.50	58.70		5.80	1.50	4.20		7.60	5.50		
				13	730501	0	6.50	9.70	50.10		4.30	1.30	3.00		6.10	2.60		
				14	730601	0	6.00	43.00	33.80		2.60	0.80	2.50		4.90	5.00		
				15	730701	0					3.20	0.90	2.60		4.40	5.00		
				16	730823	0	6.70	8.50	37.70		3.70	0.90	2.30		3.30	5.00		
				17	730905	0	6.90	11.10	41.80		4.00	1.00	3.00		3.40	4.00		
				18	731025	0	7.10	8.90	37.40		3.60	0.90	2.50		3.90	5.00		
				19	731101	0	6.80	10.30	44.60		4.30	1.10	3.00		4.20	6.00		
				20	731126	0	6.10	11.00	41.60		4.30	1.20	2.80		4.10	7.00		
				21	740101	0	6.20	6.90	30.60		2.80	0.80	2.20		3.60	3.00		
				22	740107	0	7.00	8.50	23.30		2.90	0.50	1.30		2.00	2.00		
				23	740201	0	6.40	15.40	61.00		5.80	1.50	4.20		6.30	5.00		
				24	740215	0	6.50	9.00	34.30		3.90	0.80	2.10		3.00	2.00		
				25	740301	0	7.00	19.20	75.90		7.00	1.80	5.50		7.80	7.00		
				26	740424	0	6.50	12.80	54.60		5.10	1.40	3.80		6.40	7.00		
				27	740527	0	6.20	4.30	26.40		2.20	0.60	2.00		3.90	2.00		
				28	741024	0	6.90	1.80	34.90		3.90	1.00			4.30	2.00		
				29	741126	0	7.30		40.00		3.60	0.95	2.80		4.30			
				30	741223	0	6.20	4.20	8.30		0.70	0.17	0.40		1.10	2.00		
				31	750224	0	6.90	23.90	71.00		6.90	2.10	3.80		5.50	5.00		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
910	6	6	1	32	750325	0	6.80	14.20	63.30		5.80	1.80	3.70		5.40	5.00		
				33	750424	0	7.20	8.20	37.70		3.10	0.87	2.40		3.30	4.00		
				34	750522	0	7.90	4.60	26.50		2.00	0.52	1.80		2.60	2.00		
				35	750624	0	6.90	5.70	22.40		2.10	0.62	1.90		2.10	4.00		
				36	750724	0	6.70	8.00	27.60		2.30	0.65	2.20		2.70	2.00		
				37	750728	0	6.70	10.80	37.40		3.80		2.00		2.80	4.00		
				38	750826	0	6.40	6.60	32.60		3.00	0.75	1.70		2.90	2.00		
				39	750926	0	6.60	6.40	39.20		3.10	1.00	2.30		3.50	7.20		
				40	751025	0	7.00	6.30	33.30		2.50	0.60	2.70		4.50	6.00		
				41	751206	0	6.60	9.60	38.70		3.90	1.10	2.90		4.50	2.60		
				42	760101	0	6.30	2.90	20.80		1.80	0.50	1.50		2.40	1.60		
				43	760128	0	7.30	8.40	40.10		3.90	0.90	2.80		4.20	3.50		
				44	760226	0	7.10	12.80	44.90		4.60	1.00	3.30		4.90	4.60		
				45	760327	0	5.80	3.60	34.60		2.40	1.00	3.10		5.20	4.00		
				46	760426	0	6.70	11.80	43.70		3.30	1.40	2.80		4.10	3.00		
				47	760525	0	6.10	3.10	21.00		1.80	0.55	1.70		2.30	2.30		
				48	760624	0	6.30	9.60	36.00		4.20	0.75	2.20		2.80	3.20		
				49	760726	0	7.10	18.50	57.00		6.50	1.40	3.20		4.60	3.80		
				50	760811	0	7.10	15.60	51.00		4.80	1.40	2.80		3.70	3.00		
				51	760825	0	6.60	7.70	34.00									
				52	760925	0	7.00	9.50	35.00		2.80	0.60	2.30		3.20	2.00		
				53	770122	0	7.90	4.90	30.00		0.90	0.90	2.50		3.30	3.00		
				54	770128	0	6.50	2.90	35.30		4.50	0.70	2.20		4.50	2.90		
				55	770219	0	7.50	12.70	68.00		4.90	0.32	3.90		6.80	1.70		
				56	770326	0	7.10	12.90	50.50		3.20	1.10	4.30		7.10	4.70		
				57	770423	0	5.00	4.50	32.90		3.20	1.00	2.40		4.20	6.00		
				58	770525	0	6.20	2.40	21.20		1.70	0.45	1.60		3.20	2.70		
				59	770622	0	6.30	4.80	24.00		1.70	0.60	1.80		3.10	2.50		
				60	770724	0	6.70		42.00		4.00	1.20	2.60		4.60	5.30		
				61	770823	0	6.90	6.80	36.00		3.70	0.80	1.90		2.90	3.00		
				62	770922	0	6.80	9.20	36.00		3.80	1.10	2.10		1.60	3.50		
				63	771022	0	6.10	4.40	34.40		3.40	1.20	2.00		4.10	6.10		
				64	771126	0	7.10	7.80	31.40		3.40	1.00	2.10		2.90	3.70		
				65	771224	0	7.10	9.70	38.00		4.10	0.75	2.50		3.50	3.20		
				66	780124	0	7.10	4.30	35.80		3.00	1.50	2.70		4.70			
				67	780225	0	7.20	14.90	60.00		5.80	1.30	3.80		6.00	4.10		
				68	780325	0	7.10	14.40	60.00		4.70	1.10	3.50		5.10	3.70		
				69	780422	0	6.70	10.20	42.30		3.90	0.58	2.60		5.60	3.80		
				70	780525	0	6.50	4.40	26.30		2.20	0.63	1.90		3.20	2.80		
				71	780624	0	6.40	7.90	32.00		3.00	0.80	2.30		2.40	3.70		
				72	780725	0	6.70	11.10	31.00		3.30	1.00	2.00		2.70	2.60		
				73	780823	0	6.90	11.00	38.00		3.90	0.67	2.40		3.80	3.40		
				74	780923	0	7.00	8.60	32.00		3.00	0.67	2.10		2.80	3.10		
				75	781023	0	6.80	10.00	46.00				3.10		4.00	7.80		
				76	781128	0	7.00	2.30	26.00		1.50	0.43	1.70		3.30	2.60		
				77	781226	0	6.80	10.50	44.00		3.70	0.75	2.70		4.00	3.80		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
910	6	6	1	78	790125	0	7.30	7.30	39.00		3.30	0.90	2.90		4.10	3.80		
						0	6.66	9.22	39.31		3.57	0.94	2.62		4.12	3.82		
912	10	1	2	1	720720	0	7.50		58.00									30
				2	720720	50	7.00		57.00									25
				3	720720	110	6.80		58.00									30
				4	730810	0	7.43		54.00									50
				5	730810	20	7.36		57.00									35
				6	730810	40	7.34		59.00									25
				7	730810	80	7.36		58.00									30
				8	730810	120	7.32		59.00									25
						53	7.26		57.50									31
913	16	4	2	1	790925	0	5.76	2.00	35.29	1.07	1.99	0.98						100
914	7	2	2	1	720801	0	5.87	2.50	15.00	0.70	1.30				2.50			
				2	730801	0	6.16	2.00	17.00	0.60	0.90				2.50			
						0	6.01	2.25	16.00	0.65	1.10				2.50			
916	20	2	2	1	760301	0	6.59	1.80	17.51		1.16	2.31	0.72					
917	20	2	1	1	740801	0	6.30	8.00	18.00	0.70					1.50			
918	7	4	2	1	720601	0	6.55	4.50	64.00	1.60	2.30				15.30		5.50	
919	7	5	1	1	730501	0	6.90	10.00	42.00	1.40	3.50				10.00		12.20	
920	7	4	1	1	750224	0	7.50	9.00	166.40	2.80	5.00				42.00			
				2	750226	0	6.50	10.00	18.20	6.00	13.50							
				3	750325	0	6.20	6.00	445.20	4.00	9.00							
				4	750407	0	6.20	6.00	180.20	2.00	6.00				50.00			
				5	750421	0	6.20	6.00	109.14	1.80	3.00				28.00			
				6	750520	0	6.70	5.00	125.40	1.80	3.30				30.00			
				7	750620	0	7.10	14.00	148.40	2.30	5.30				33.00			
				8	750721	0	7.30	17.00	224.00	4.20	9.00				50.50			
				9	750819	0	7.60	18.00	201.40	3.70	7.00				44.50			
				10	750919	0	7.20	19.00	176.00	3.20	6.50				40.00			
				11	751020	0	7.30	12.00	114.00	1.40	4.30				27.00			
				12	751120	0	7.00	10.00	121.00	2.10	3.00				25.00			
				13	751219	0	6.80	6.00	140.40	2.10	3.30				33.00			
				14	760319	0	6.60	5.00	189.00	2.80	4.70				50.00			
				15	760219	0	6.80	12.00	194.40	3.00	4.00				65.00			
				16	760121	0	6.80	6.00	150.80	2.40	3.00				45.00			
						0	6.86	10.06	169.00	2.85	5.62				40.21			
921	6	4	1	1	770531	0	6.78	3.80			6.10	1.11	15.87		40.02	6.82		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
921	6	4	1	2	770712	0	7.04	7.40			7.24	1.88	24.32		56.37	1.59		
				3	770801	0	6.82	5.20			6.39	1.12	14.38		39.00	12.80		
				4	770818	0	6.37	6.80			7.05	1.18	15.50			10.80		
				5	770906	0	6.69	6.80			10.35	19.18			45.00			
				6	770926	0	6.58	4.00			2.99	1.55						
				7	771017	0	6.25	5.20			4.32	1.30	2.53		32.60	10.80		
				8	771031	0	6.26	5.60			4.60	1.58	13.38		31.20	6.40		
				9	771115	0	6.25	6.60			6.46	1.65	13.87		34.00	5.40		
				10	771129	0	6.30	3.20			4.05	1.35			32.60			
				11	771212	0	6.10	4.60			4.80	1.32			35.00			
				12	780123	0	6.15	4.00				1.38			41.10			
				13	780221	0	6.15	7.80				1.50			43.40			
				14	780411	0	6.35						43.37		75.30	6.50		
				15	780511	0	6.35	5.40					15.47		28.60	4.60		
				16	780612	0	6.86	6.60					21.22		33.94	9.00		
				17	780713	0	5.60	6.40					25.86		41.45	5.52		
				18	780828	0	6.65	6.40					21.91		39.56	1.84		
				19	781024	0	6.00	5.60					16.09		27.96	3.00		
				20	781213	0	5.95	4.60					17.28		34.00	4.00		
				21	781219	0	5.70	3.60					12.72		26.00	8.00		
				22	790124	0	6.15	3.00					24.12		41.00	8.00		
				23	790129	0	4.65	1.00					9.32		21.00	5.00		
				24	790221	0	6.20	4.80					18.42			5.00		
				25	790320	0	6.30	2.20				1.12	19.78		35.00	6.00		
				26	790613	0	6.97	8.40					19.35		11.00	4.00		
				27	790723	0	5.99	6.80				1.39			39.00			
				28	790828	0	7.09	0.94	162.70			1.46	19.89		40.00	7.00		
				29	791015	0	6.69	5.40	113.98						28.00	4.00		
				30	791203	0	6.63	5.40	115.03			1.14			24.00	7.00		
				31	800121	0	5.72	2.10	205.95				29.37		47.00	5.00		
				32	800225	0	6.67	6.40	190.89			2.60			46.00	5.00		
				33	800325	0	6.11	1.80	205.51						50.00	7.00		
				34	800305	0	6.16	2.10	93.24			1.01	14.41		21.00	8.00		
						0	6.31	4.85	155.33		5.85	2.36	18.63		36.78	6.22		
922	7	4	1	1	730301	0	7.05	5.00	150.00	2.00	6.50				41.50		6.10	
923	6	4	1	1	770531	0	6.65	4.60			6.42	1.14	16.01		38.00	8.92		
				2	770712	0	6.85	11.00			9.96	2.70	23.04		54.97	1.59		
				3	770801	0	6.92	6.20			7.01	1.16	14.68		40.40	11.50		
				4	770818	0	6.38	9.40			8.06	1.22	17.16			8.10		
				5	770906	0	6.90	0.20			11.30	1.97			48.00			
				6	770926	0	6.34	7.80			7.22	1.59						
				7	771017	0	6.25	6.00			3.84	1.33	2.55		31.20	9.00		
				8	771031	0	6.25	8.20			5.21	1.70	13.25		28.40	5.00		
				9	771115	0	6.25	6.60			7.62	1.79	14.03		31.20	6.20		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEPT	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
923	6	4	1	10	771129	0	6.10	2.20			4.50	1.41			29.80			
				11	771217	0	5.95	9.80			5.32	1.46	14.20		31.30			
				12	780125	0	6.05	4.60				1.46			42.50			
				13	780221	0	6.35	6.20				1.68			65.60			
				14	781211	0	6.10						38.78		74.00			
				15	780511	0	6.35	6.20					4.73		21.70	5.10		
				16	780612	0	6.10	5.90					21.26		37.52	7.50		
				17	780713	0	5.70	6.80					24.80		43.86	29.44		
				18	780828	0	6.00	7.80					21.59		47.21	5.53		
				19	781024	0	6.00	6.40					17.62		32.10	7.00		
				20	781213	0	5.65	4.80					17.89		36.00	10.00		
				21	781219	0	5.55	1.80					15.58		36.00	8.00		
				22	790124	0	6.05	3.60			6.69		22.03		37.00	8.00		
				23	790129	0	5.70	1.60					9.79		21.00	8.00		
				24	790202	0	6.25	4.60					19.29			3.00		
				25	790320	0	6.10	4.80			5.08	1.15	16.73		30.00	2.00		
				26	790614	0	6.66	11.00					18.10		42.00	5.00		
				27	790723	0	6.59	12.80				1.52			48.00			
				28	790828	0	6.16	9.20	184.00		6.32	1.61	23.32		48.00	6.00		
				29	791015	0	6.32	5.40	114.89						28.00	3.30		
				30	791203	0	6.87	5.70	133.12		5.60	1.26			24.00	8.00		
				31	800121	0	5.90	3.20	217.43				31.22		49.00	7.00		
				32	800225	0	6.66	7.30	172.88		8.01	1.58			42.00	5.00		
				33	800325	0	6.06	1.00	175.85						42.00	5.00		
				34	800505	0	6.30	1.60	95.16		3.46	0.88	15.33		22.00	8.00		
						0	6.24	5.89	156.19		6.57	1.51	18.04		38.80	7.35		
924	6	4	1	1	770531	0	6.85	3.80			7.17	1.20	18.30		43.53	8.92		
				2	770712	0	6.43	8.60			7.72	2.00	27.27		59.91	5.31		
				3	770801	0	7.23	7.60			7.06	1.14	16.90		45.02	13.50		
				4	770818	0	6.42	7.00			7.22	1.23	18.44			7.40		
				5	770906	0	6.91	9.80			7.56	1.62						
				6	770926	0	6.65	6.80			7.56	1.62						
				7	771017	0	6.30	5.80			5.18	1.40	2.81		36.90	10.40		
				8	771031	0	6.50	6.60			5.25	1.89	14.29		42.50	3.20		
				9	771115	0	6.50	7.20			6.77	1.79	35.30		26.90	6.60		
				10	771129	0	6.30	4.00			4.65	1.38			25.50			
				11	771212	0	6.13	7.60			6.25	1.52	20.00		42.20			
				12	780123	0	6.30	5.40				1.51			51.00			
				13	780221	0	6.40	8.00				1.67			50.50			
				14	780411	0	6.20						52.74		94.40	3.90		
				15	780511	0	6.05	2.20					12.43		23.70	3.60		
				16	780612	0	5.95	6.40					25.30		41.09	7.50		
				17	780713	0	5.85	7.40					28.82		50.12	6.90		
				18	780828	0	6.55	7.60					28.38		52.32	11.07		
				19	781024	0	6.65	14.40					19.99		38.81	7.00		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
924	6	4	1	20	781213	0	5.90	6.40					23.59		40.00	8.00		
				21	781219	0	5.90	1.00					19.20		31.00	4.00		
				22	790124	0	6.25	6.40			9.13		52.70		74.00	7.00		
				23	790129	0	6.20	1.80					12.98		25.00	8.00		
				24	790221	0	6.35	4.80					23.85			4.00		
				25	790320	0	6.30	3.00			5.71	1.19	12.60		44.00	5.00		
				26	790613	0	6.59	8.20							47.00	6.00		
				27	790723	0	6.82	8.60				1.49			48.00			
				28	790828	0	7.52	9.80	184.30		6.79	1.49	24.77		47.00	6.00		
				29	791015	0	6.43	4.40	123.79						31.00	2.60		
				30	791203	0	6.77	5.10	128.66		6.46	1.20			26.00	8.00		
				31	800121	0	5.94	2.20	236.78				30.09		55.00	5.00		
				32	800225	0	7.02	6.50	199.19		8.54	1.63			47.00	5.00		
				33	800325	0	6.80	1.90	210.96						13.70	5.00		
				34	800505	0	6.37	2.60	102.56		3.48	0.88	16.44		25.00	8.00		
						0	6.45	6.03	169.46		6.62	1.47	23.36		42.60	6.55		
925	6	4	1	1	770531	0	6.95	7.40			6.36	1.23	15.28		35.10	13.12		
				2	770712	0	7.41	13.40			9.46	2.29	21.19		49.98	7.43		
				3	770801	0	6.51	6.40			6.92	1.18	13.36		35.45	13.50		
				4	770818	0	6.38	6.40			8.30	1.24	14.93			18.30		
				5	770906	0	7.38	71.60			9.06	1.65			14.00			
				6	770926	0	6.77	10.20			6.76	1.75						
				7	771017	0	6.45	16.00			4.99	1.52	2.42		29.80	6.70		
				8	771031	0	5.09	9.20			6.48	1.79	12.10		28.40	4.50		
				9	771115	0	6.70	9.00			7.64	1.82	13.01		15.60	4.60		
				10	771129	0	6.30	5.40			4.40	1.51			28.40			
				11	771212	0	5.85	11.40			6.83	1.49	15.40		35.00			
				12	780123	0	6.55	6.00				1.65			45.40			
				13	780221	0	6.50	8.60				1.86			49.80			
				14	780411	0	6.50						38.48		70.20	14.60		
				15	780511	0	5.85						9.36		20.40	8.70		
				16	780612	0	6.95	7.80					20.89		34.96	9.00		
				17	780713	0	5.90						24.93		43.40	7.36		
				18	780828	0	7.04	14.80					26.14		48.49	10.45		
				19	781024	0	6.35	9.80					17.30		30.60			
				20	781213	0	5.85	5.80					19.63		32.00	7.00		
				21	781219	0	5.95	2.20					20.40		32.00	12.00		
				22	780124	0	6.30	5.00			8.98		31.48		47.00	17.00		
				23	780129	0	5.15	2.80					11.31		20.00	5.00		
				24	780221	0	5.95	8.20					23.40			6.00		
				25	790320	0	6.30	4.20			5.92	1.26	16.89		32.00	5.00		
				26	790614	0	6.39	26.40					20.41		46.00	5.00		
				27	790723	0	6.74	15.00				2.02			43.00			
				28	790828	0	7.07	14.60	127.00		6.32	1.87	13.20		31.00	4.00		
				29	791015	0	6.69	6.20	94.36						23.00	7.50		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
925	6	4	1	30	791203	0	6.80	6.80	107.65		5.49	1.38			21.00	8.00		
				31	800121	0	5.99	3.10	175.21				24.30		39.00	5.00		
				32	800325	0	7.03	8.60	194.95		8.75	1.72			46.00	7.00		
				33	800325	0	6.17	1.70	208.84						48.00	5.00		
				34	800505	0	6.27	2.80	83.16		5.31	1.26	15.70		19.00	9.00		
						0	6.41	10.54	141.60		6.94	1.60	18.40		35.29	8.49		
926	7	4	2	1	720601	0	6.80	4.00	63.00	1.50	2.20				14.50		4.90	
927	7	3	2	1	720601	0	6.25	2.00	20.00	0.70	0.80				4.75		2.40	
928	4	3	2	1	8011	0	6.60	5.40	31.00		1.20	1.20	2.60	0.30	4.40	2.60		80
929	7	2	1	1	720901	0	6.80	7.30	22.00	0.93	1.30				2.30		8.90	
930	16	2	2	1	800305	0	8.65	138.20	297.31	6.94	18.50	5.64						30
				2	740320	0	7.85	930.00	285.00	13.60	33.90	12.40	5.00		11.40			20
						0	8.25	534.10	291.15	10.27	26.20	9.02	5.00		11.40			25
931	6	3	2	1	710603	0	5.20	1.30	59.00		1.00	1.10	7.60		14.00	4.20		
932	7	1	1	1	800709	0	7.60	32.00	70.00	2.20	4.40				9.00			
				2	800711	0	7.60	40.00	82.00	3.20	7.00				8.00			
				3	800711	0	8.10	42.00	86.00	5.00	7.10				8.00			
				4	800711	0	8.00	74.00	150.00	8.20	10.90				8.50			
				5	800711	0	7.48	34.00	76.00	4.20	6.40				8.00			
				6	800709	0	7.50	40.00	82.00	4.60	6.90				5.50			
						0	7.71	43.67	91.00	4.57	7.12				7.83			
933	7	4	1	1	730701	0	6.40	2.00	28.00	0.30	0.60				6.00		2.44	
934	7	1	1	1	730501	0	6.60	6.00	31.00	1.20	2.50				5.50		7.30	
936	10	1	1	1	7207	0	7.03		41.30		6.10	1.60	3.70	0.40	4.50	3.90	24.00	10
937	10	1	2	1	720726	0	6.88	6.00	36.00	0.84	2.20	0.70	3.10	0.40	4.70	2.70	7.30	8
				2	720726	30	7.32	5.60	38.30	0.79	2.00	0.70	3.60	0.40	5.60	3.10	6.80	8
				3	720726	150	6.86	6.10	35.20	0.79	2.00	0.70	3.10	0.04	4.80	2.90	7.40	8
				4	730710	0	7.40	50.00	36.00	2.20								8
				5	730710	40	7.40		35.00									5
				6	730710	100	7.00		36.00									5
				7	730710	150	7.20		36.00									8
				8	730808	0	7.05	90.00	33.20	2.70								10
				9	730808	30	7.00		33.20									5
				10	730808	100	6.92		35.00									3
				11	730808	150	6.91		35.30									3

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
937	10	1	2	12	731211	0	6.94		36.00									3
				13	731211	60	6.89		36.00									3
				14	731211	100	6.90		36.00									4
				15	731211	150	6.86		35.00									1
						71	7.04	31.54	35.41	1.46	2.07	0.70	3.27	0.28	5.03	2.90	7.17	5
938	7	4	2	1	720601	0	6.00	2.00	49.00	1.80	1.10				10.00		2.40	
939	16	1	2	1	731028	0	7.72	65.30	223.00	8.03	17.20	9.09	7.50		22.50	5.50		20
940	16	4	2	1	790928	0	5.03	1.00	45.35	0.65	1.48	0.66						10
941	7	2	2	1	720101	0	6.57	6.60	23.00	0.87	1.60				2.50		8.00	
942	4	2	2	1	8011	0	7.00	9.90	29.00		2.80	0.56	1.90	0.30	2.20	1.80		30
943	7	1	1	1	720501	0	7.84	56.00	109.00	7.00	11.00				6.50		68.30	
944	16	3	2	1	791108	0	4.66	11.00		0.63	1.16	0.81						80
945	1	2	2	1	730901	0	5.95	2.00	15.00	0.60	0.90				2.00			
946	4	2	2	1	8011	0	5.60	1.21	22.00		1.30	0.37	1.80	0.10	2.30	3.00		100
947	7	5	1	1	720801	0	6.40	3.00	19.00	0.50	1.00				2.50		3.70	
948	10	3	2	1	670722	0	6.50	2.90	19.50	0.47	1.80	0.10	1.80		2.60	1.60		
				1	670722	0	6.50	2.90	19.50	0.47	1.80	0.10	1.80	0.10	2.60	1.60		
				2	800715	0	6.30	3.40	20.00		1.40	0.28	1.60	0.10	2.20	2.80		60
						0	6.43	3.07	19.67	0.47	1.67	0.16	1.73	0.10	2.47	2.00		60
949	13	3	2	1	800908	0	5.62	5.30	40.00	0.95	1.98	0.96						90
950	7	4	1	1	720601	0	6.47	3.00	30.00	0.60	1.00				7.00			
951	16	5	1	1	791204	0	6.90	7.50	41.28	0.92	1.94	0.94						55
952	4	1	2	1	8011	0	7.60	75.60		17.00	20.00	7.90	2.70	0.20	5.10	2.90		5
953	16	3	1	1	721204	0	6.66			1.12	4.50	1.72			16.50			
954	4	2	2	1	8011	0	6.00	1.70	18.00		1.50	0.40	1.30	0.10	2.00	2.50		55
955	13	3	2	1	771228	0	6.31	13.80	106.80	3.19	5.15	2.16						45
957	7	4	2	1	720601	0	6.30	2.50	40.00	1.00	0.10				10.30		3.10	

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
959	10	1	1	1	7207	0	7.58		87.00									3
960	16	1	2	1	760826	0	8.08	120.00			39.36				32.90			
961	16	1	2	1	800305	0	8.01	142.71	372.52	17.16	49.30	11.78						15
962	7	4	1	1	720601	0	6.48	2.50	32.00	0.60	1.20				6.50		3.10	
963	7	3	1	1	730701	0	6.50	2.00	22.00	0.30	0.60				5.00		2.44	
964	7	4	2	1	720601	0	6.70	6.00	53.00	1.60	1.80				11.50		7.30	
965	7	4	1	1	720501	0	6.60	4.00	28.00	0.60	0.80				6.50		4.90	
966	20	2	2	1	760301	0	7.06	10.00	39.90		2.04	0.59	1.96					
967	10	1	2	1	730726	0	5.60	0.90	18.50	0.27	0.50	0.30	1.90	0.20	3.20	2.00	1.10	25
968	16	4	2	1	790825	0	5.96	2.20	48.39	0.87	1.69	0.82						100
969	10	3	2	1	670829	0	6.60	7.20	37.20	1.11	3.60	0.50	2.80		4.40	2.50		
				1	670829	0	6.60	7.20	37.20	1.11	3.60	0.50	2.80	0.20	4.40	2.50		
				2	800506	0	6.20	4.70	35.00		2.20	0.40	3.70	0.20	5.10	2.10		40
				3	800715	0	6.70	6.30	43.00		2.70	0.40	4.50	0.10	6.40	2.50		35
				4	800909	0	6.80	10.50	41.00		3.40	0.50	4.30	0.20	5.50	2.50		70
				5	801009	0	6.90	10.30	38.00		3.20	0.48	3.60	0.20	4.60	2.40		40
						0	6.63	7.70	38.57	1.11	3.12	0.46	3.62	0.18	5.07	2.42		46
970	10	1	2	1	770817	0	6.40		48.00									90
				2	780812	0	6.50		55.00							2.50		100
						0	6.45		51.50							2.50		95
971	10	1	2	1	770807	0	6.30	7.80	53.00	1.31	3.20	1.10	5.80	0.20	10.00	2.70	9.50	90
				2	770815	0	6.50		54.00									65
				3	770815	8	6.20		54.00									65
				4	770815	16	6.50		54.00									65
				5	780809	0	6.50	6.50	52.00							2.60		70
				6	780809	8	6.90	6.50	49.00							2.50		80
				7	780809	12	6.70	7.10	52.00							3.40		100
				8	780809	14	6.40	7.10	50.00							2.70		120
						7	6.50	7.00	52.25	1.31	3.20	1.10	5.80	0.20	10.00	2.78	9.50	82
972	10	1	2	1	770818	0	6.80		58.00							2.40		80
				2	780819	0	6.80		58.00							2.40		80
						0	6.80		58.00							2.40		80

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEPT	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
973	10	1	2	1	770818	0	6.70		62.00									80
974	10	1	2	1	770818	0	6.70		53.00									60
975	10	1	2	1	770822	0	6.80		64.00									110
976	10	1	2	1	770807	0	6.40	6.90	50.00	1.35	2.20	1.10	5.80	0.10	10.00	4.50	8.40	150
				2	770821	0	6.30		57.00									180
				3	780812	0	6.70		59.00							2.70		60
						0	6.47	6.90	55.33	1.35	2.20	1.10	5.80	0.10	10.00	3.60	8.40	130
977	10	1	2	1	770807	0	6.60	6.60	35.00	0.95	2.30	0.75	3.60	0.30	6.00	2.00	8.10	65
				2	770807	0	6.70		41.00									70
				3	770807	0	6.60		47.00							2.40		60
						0	6.63	6.60	41.00	0.95	2.30	0.75	3.60	0.30	6.00	2.20	8.10	65
978	10	1	2	1	770818	0	6.50		35.00									70
979	10	1	2	1	770806	0	6.10	2.70	36.00	0.84	1.90	0.75	4.30	0.20	8.10	3.00	3.30	90
				2	780819	0	6.10		49.00							3.20		120
						0	6.10	2.70	42.50	0.84	1.90	0.75	4.30	0.20	8.10	3.10	3.30	105
980	10	1	2	1	770822	0	5.90		34.00									90
				2	780819	0	5.90		42.00							2.40		120
						0	5.90		38.00							2.40		105
981	10	1	2	1	770822	0	6.80		140.00									50
				2	780819	0	7.00		52.00							4.10		50
						0	6.90		96.00							4.10		50
982	10	1	2	1	770806	0	6.70	12.10	61.00	1.77	4.45	1.40	6.20	0.30	9.00	3.30	14.50	110
				2	780819	0	6.80		85.00							2.70		100
						0	6.75	12.10	73.00	1.77	4.45	1.40	6.20	0.30	9.00	3.00	14.50	105
983	10	1	2	1	770806	0	6.70	7.80	46.00	1.22	3.25	0.94	4.50	0.20	7.90	2.70	9.50	75
				2	770806	0	6.70		62.00							2.50		120
						0	6.70	7.80	54.00	1.22	3.25	0.94	4.50	0.20	7.90	2.60	9.50	98
985	10	3	2	1	800506	0	5.80	6.40	75.00		3.30	0.45	9.30	0.30	15.00	2.70		40
				2	800621	0	6.00	4.30	50.00		2.70	0.40	5.80	0.20	8.90	2.00		45
				3	800715	0	6.50	6.70	46.00		2.90	0.41	4.90	0.20	7.30	2.50		40
				4	801009	0	7.00	7.60	38.00		3.40	0.48	3.60	0.10	4.80	2.40		40
				5	801128	0	6.50	5.00	35.00		2.50	0.43	3.60	0.20	4.20	2.40		60
						0	6.36	6.00	48.80		2.96	0.43	5.44	0.20	8.04	2.40		45
986	6	3	2	1	800715	0	6.90	5.70	34.00		2.60	0.60	2.80		4.30	2.70		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	MAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
987	6	3	2	1	800715	0	6.40	3.80	27.00		1.70	0.44	2.70		3.90	2.80		
988	6	3	2	1	800715	0	5.50	1.90	14.00		0.50	0.24	1.50		2.20	2.00		
988	16	5	2	1	790320	0	5.36	1.00	34.95	0.28	0.44	0.39						35
989	6	3	2	1	800715	0	6.30	4.70	32.00		1.40	0.53	3.70		4.60	3.30		
990	6	3	2	1	800715	0	6.40	4.10	27.00		1.70	5.40	4.10		3.80	2.80		
991	6	3	2	1	800715	0	6.90	6.20	36.00		2.10	0.57	3.50		5.40	2.50		
992	6	3	2	1	800715	0	6.40	3.80	29.00		1.70	0.45	2.90		3.90	2.80		
993	6	3	2	1	800715	0	6.90	7.60	38.00		2.30	0.48	3.20		4.70	2.80		
994	6	3	2	1	800715	0	6.80	5.60	31.00		2.30	0.45	2.50		3.90	2.50		
995	6	3	2	1	800715	0	6.60	3.30	38.00		1.80	0.50	3.00		4.20	2.50		
996	6	3	2	1	800715	0	6.50	4.30	31.00		1.90	0.48	3.00		4.60	2.50		
997	6	3	2	1	800715	0	6.70	3.70	28.00		1.90	0.42	2.60		3.80	2.50		
999	6	3	2	1	800715	0	6.40	5.00	32.00		2.30	0.47	2.70		4.30	2.80		
1000	6	3	2	1	800715	0	5.80	2.20	29.00		1.80	0.40	2.60		4.00	3.80		
1001	6	3	2	1	800715	0	6.20	3.50	41.00		1.20	0.57	4.90		7.70	2.80		
1002	6	3	2	1	800715	0	5.90	1.60	28.00		1.00	0.47	2.90		4.60	2.70		
1003	6	3	2	1	800715	0	6.40	3.10	31.00		1.10	0.47	3.30		5.20	2.70		
1004	6	3	2	1	800715	0	6.80	5.00	33.00		1.90	0.48	3.20		4.80	2.80		
1005	6	3	2	1	800715	0	6.50	2.80	45.00		1.50	0.75	5.10		8.30	3.00		
1008	7	1	1	1	720501	0	7.50	38.00	88.00	5.00	8.20				9.00		46.00	
1011	6		2	1	801231	0	6.00	3.20	60.00		2.03	0.77	0.72	0.60	11.00	5.20		30
1012	10	1	1	1	770810	0	6.30		50.00		2.30	0.97	6.20	0.30	10.00	3.20	6.50	100
				2	780806	0	6.50		50.00									100
						0	6.40		50.00		2.30	0.97	6.20	0.30	10.00	3.20	6.50	100

Table 1. (Cont'd.)

IDEN	SUBH AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
1013	10	1	1	1	770807	0	6.60		52.00		3.10	1.10	5.60	0.20	10.00	2.60	10.50	90
																2.50		65
1014	10	1	1	1	770806	0	6.20		62.00							2.90		110
				2	780818	0	6.80		102.00							2.70		88
						0	6.50		82.00									
1015	10	1	2	1	770807	0	6.50	4.20	33.00	0.75	1.70	0.75	4.00	0.30	7.30	2.50	5.10	90
				2	780812	0	6.60		41.00							3.40		100
						0	6.55	4.20	37.00	0.75	1.70	0.75	4.00	0.30	7.30	2.95	5.10	95
1016	10	1	2	1	770807	0	6.30	5.70	38.00	0.95	2.20	0.87	4.80	0.50	8.20	3.30	7.00	110
				2	770821	0	6.60		43.00									130
				3	780812	0	6.60		47.00							3.40		140
						0	6.50	5.70	42.67	0.95	2.20	0.87	4.80	0.50	8.20	3.35	7.00	127
1017	10	1	2	1	770816	0	5.80		35.00									110
				2	780812	0	6.00		38.00							2.90		110
						0	5.90		36.50							2.90		110
1018	10	1	2	1	770816		6.30		45.00									140
1019	10	1	2	1	770816	0	5.90		40.00									180
1020	10	1	2	1	770816	0	5.40		39.00									180
				2	780812	0	5.60		44.00							2.90		160
						0	5.50		41.50							2.90		170
1021	10	1	2	1	770810	0	6.50	8.80	50.00	1.15	2.40	1.00	6.20	0.30	10.00	3.10	10.70	100
				2	780817	0	6.70		60.00							3.90		100
				3	770820	0	6.70		52.00									120
						0	6.63	8.80	54.00	1.15	2.40	1.00	6.20	0.30	10.00	3.50	10.70	107
1022	10	1	2	1	770810		6.20	4.50	46.00	0.97	2.00	0.92	5.70	0.20	10.40	16.70	5.50	130
1023	10	1	2	1	770816	0	5.90		26.00									15
1024	10	1	2	1	770807	0	6.70	8.60	44.00	1.12	2.80	0.92	4.70	0.20	8.10	2.40	10.50	90
1025	10	1	2	1	770807	0	6.70	6.80	42.00	1.03	2.60	0.87	4.40	0.20	7.90	2.30	8.30	60
				2	780812	0	6.60		57.00							2.80		70
						0	6.65	6.80	49.50	1.03	2.60	0.87	4.40	0.20	7.90	2.55	8.30	65
1192	10	1	2	1	720729	0	7.30		168.00		19.00	5.50	7.00	0.90	10.00	4.40	82.40	
1193	10	1	2	1	690711	0	5.50		18.60		1.10	0.40	1.70		2.90	1.10		

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	MAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
1194	10	1	2	1	6907	0	5.70		14.80		1.10	0.40	1.40		2.50	1.90		
1195	10	1	2	1	690713	0	6.50		82.00		2.00	1.90	9.60		16.00	3.10		
1196	10	1	2	1	6907	0	6.70	16.70	101.00		3.80	1.95	14.00		23.25	4.85		80
				2	801021	0	6.80	16.70	97.00		4.10	1.90	13.00	0.50	16.50	4.30		80
						0	6.75	16.70	99.00		3.95	1.92	13.50	0.50	19.88	4.57		80
1197	10	1	2	1	660921	0	7.00		139.00		10.70	2.20	12.00		21.50	4.90		
1198	10	1	2	1	660911	0	4.20		87.00		1.60	0.20	9.10		17.60	0.80		
1199	10	1	2	1	730919	0	6.00		25.10		1.20	0.50	2.50		4.30	3.20		
1200	10	1	2	1	800911	0	7.05	8.45	30.00		2.95	0.70	1.85		2.80	2.50		50
1201	10	1	2	1	720726	0	7.07		36.80									8
1202	10	1	2	1	720726	0	6.97		35.70									8
1203	10	1	2	1	720726	0	6.89		35.40									5
1204	10	1	2	1	720726	0	6.78		34.20									10
1205	10	1	2	1	720726	0	7.03		35.20									8
1206	10	1	2	1	720726	0	7.24	19.70	63.00	2.18	6.10	1.60	3.70	0.40	4.50	3.90	24.00	35
1221	16	2	2	1	760503	0	6.22	4.20	88.69	1.28	2.99	1.26						25
1223	7	3	1	1	730704	0	6.35	3.00	22.00	0.80	2.20				2.00			
				2	730705	0	6.15	4.00	25.00	0.70	2.20				3.00			
				3	730707	0	6.40	6.00	22.00	0.80	2.20				3.00			
				4	730710	0	6.15	6.00	25.00	0.80	2.20				3.00			
				5	730711	0	6.45	6.00	22.00	0.90	2.20				3.00			
				6	730712	0	6.55	7.00	22.00	0.80	2.20				3.00			
				7	730713	0	6.55	7.00	23.00	0.80	2.20				4.00			
				8	730714	0	6.35	6.00	24.00	0.80	2.20				5.00			
				9	730715	0	6.60	7.00	22.80	0.80	2.20				3.50			
				10	730716	0	6.80	8.00	22.80	0.70	2.20				2.50			
				11	730718	0	6.45	10.00	23.20	0.80	2.20				3.50			
				12	730719	0	6.35	7.00	24.20	1.00	2.20				3.00			
				13	730720	0	6.45	7.00	23.00	0.80	2.20				3.50			
				14	730721	0	7.90	35.00	54.00	3.20	9.25				3.00			
				15	730722	0	6.50	8.00	24.00	0.80	2.70				3.50			
				16	730723	0	6.45	7.00	24.00	0.80	2.20				3.00			

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
1223	7	3	1	17	730724	0	6.60	6.00	23.80	0.80	2.20				3.00			
				18	730725	0	5.55	2.00	25.00	0.80	2.00				2.00			
				19	730726	0	6.10	6.00	23.00	1.00	1.80							
				20	730727	0	6.26	4.00	23.00	0.80	1.80							
				21	730728	0	6.30	8.00	31.00	1.40	3.40							
				22	730729	0	5.92	4.00	26.00	0.80	1.90							
				23	730730	0	6.06	5.00	25.00	1.00	1.80							
				24	730731	0	6.12	6.00	24.00	0.80	2.00							
				25	730801	0	6.21	6.00	24.00	1.00	1.90				2.50			
				26	730802	0	5.95	3.00	25.00	1.00	2.00							
				27	730803	0	6.42	8.00	29.00	1.20	3.20							
				28	730804	0	5.90	4.00	24.00	1.00	1.80							
				29	730805	0	6.45	6.00	23.00	1.00	2.30							
				30	730806	0	6.80	8.00	23.00	1.00	2.10				2.20			
				31	730807	0	6.42	4.00	24.00	1.00	2.00							
				32	730808	0	6.13	4.00	24.00	0.80	2.00							
				33	730809	0	6.55	4.00	23.00	1.00	2.00							
				34	730811	0	6.30	4.00	23.00	1.00	1.80							
				35	730812	0	6.05	4.00	23.00	1.00	2.00					2.20		
				36	730813	0	6.40	6.00	22.00	1.00	1.80					2.00		
				37	730814	0	6.70	6.00	23.00	1.00	2.00				2.00			
				38	730815	0	6.52	6.00	21.00	0.80	2.00				2.00			
				39	730816	0	6.38	6.00	21.00	1.00	1.80				2.00			
				40	730817	0	6.55	6.00	22.00	1.00	2.00							
				41	730818	0	6.20	4.00	21.00	0.80	2.00							
				42	730819	0	6.20	4.00	21.00	1.00	1.90							
				43	730821	0	6.30	4.00	21.00	0.80	1.90							
				44	730823	0	6.44	8.00	22.00	0.80	1.90							
				45	730824	0	6.30	6.00	22.00	1.00	1.90							
				46	730825	0	6.52	4.00	23.00	1.00	1.80							
				47	730827	0	6.90	6.00	22.00	1.00	1.90							
				48	730828	0	6.70	6.00	22.00	1.00	2.00							
				49	730830	0	6.33	4.00	23.00	1.20	1.90							
				50	730831	0	6.80	4.00	23.00	1.20	2.00							
				51	730902	0	6.56	6.00	24.00	1.20	2.60							
				52	730905	0	6.80	6.00	24.00	1.00	2.30							
				53	730906	0	6.75	6.00	23.00	1.00	2.30							
				54	730910	0	6.27	4.00	24.00	1.00	2.60							
				55	730911	0	6.60	4.00	24.00	1.00	2.00							
						0	6.42	6.11	23.94	0.97	2.24				2.92	2.10		
1224	16	4	2	1	790425	0	6.44	4.60	33.21	0.71	1.78	0.63						20
1225	7	5	1	1	730501	0	5.85	2.00	13.00	0.40	0.50				3.50		2.44	
1226	20	2	2	1	760301	0	5.90	1.00	19.50		1.16	0.32	1.49					

Table 1. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
1227	7	4	2	1	730301	0	6.25	2.00	23.00	0.40	0.50				6.00		2.44	
1228	1	3	1	1	730701	0	5.85	2.00	26.00	0.60	1.20				6.50		2.44	
1229	7	6	1	1	800610	0	7.70	32.00	240.00	5.40	11.40				57.50			
				2	800617	0	7.00	19.00	138.00	5.60	7.80				13.00			
				3	800620	0	7.70		128.00	3.00	6.80							
				4	800624	0	7.75	36.00	290.00	6.20	13.70				71.50			
				5	800701	0	7.35	31.00	240.00	5.20	12.50				57.00			
				6	800708	0	7.85	40.00	360.00	7.30	15.50				90.50			
				7	800715	0	7.05	32.00	320.00	6.10	12.80				80.00			
				8	800729	0	7.35	36.00	380.00	7.70	16.50				10.70			
				9	800806	0	7.45	40.00	460.00	8.20	16.90				12.25			
				10	800812	0	7.42	40.00	410.00	7.60	16.40				10.50			
				11	800819	0	7.25	32.00	270.00	5.50	13.70				65.00			
				12	800826	0	7.18	30.00	600.00	10.50	19.40				16.40			
				13	800928	0	7.35	36.00	300.00	6.50	14.60				74.50			
						0	7.42	33.67	318.15	6.52	13.69				46.57			
1230	7	4	1	1	720601	0	6.48	3.00	28.00	0.40	0.80				6.25		3.70	
1231	16	2	1	1	731213	0	5.79	1.20	44.00	0.88	2.28	0.77	4.00		6.70	2.00		80
1232	7	5	1	1	730501	0	5.50	1.00	21.00	0.50	1.00				9.00			
				1	750924	0	5.90	0.60	26.00	0.58						0.10		
						0	5.70	0.80	23.50	0.54	1.00				9.00	0.10		
1234	7	4	1	1	730701	0	7.00	1.00	34.00	0.60	2.20				3.00			
1235	7	5	1	1	730501	0	6.20	2.00	12.00	0.40	1.00				3.50		2.44	
1236	4	2	2	1	8011	0	5.50	0.69		2.30	1.10	0.75	1.60	0.20	2.30	3.90		100
1237	4	2	2	1	8011	0	6.30	2.90	20.00		1.60	0.48	1.30	0.10	1.70	2.70		100
1238	7	2	1	1	740801	0	6.10	5.00	15.00	0.60					1.50			
1239	7	3	1	1	730701	0	6.90	7.00	30.00	0.80	2.20				5.00		8.54	
1243	7	4	1	1	720601	0	6.45	2.50	26.00	0.65	0.80				5.80		3.10	

Table 2. Data Listing - Insular Newfoundland.

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
1026	7	8	1	1	730101	0	6.70	12.00	25.00	1.20	0.50				2.20			
1027	7	9	1	1	720101	0	6.50	2.00	13.00	0.50	2.50				0.80			
1028	7	7	1	1	730101	0	6.70	8.00	25.00	1.10	3.70				1.80			
1029	7	7	2	1	780101	0	6.60	4.00	17.00	0.60	1.10				1.00			
1030	7	10	2	1	750101	0	6.50	4.00	13.00	0.70	0.70				0.90			
1031	7	11	2	1	760101	0	6.40	3.00	12.00	0.60	0.60				0.60			
1032	7	11	2		73	0	6.10	7.20	15.80		0.99	0.34	0.45	0.45	0.40	3.30		30
1033	7	11	2	1	770101	0	6.20	5.00	16.00	0.50	0.60				1.00			
1034			2	2	700630	0	6.60	8.00	15.00	0.70	1.00	0.25	1.45	0.40	0.34	5.00		21
				3	700728	0	6.60	6.00	15.50	0.60					0.35	5.00		35
				4	700906	0	7.30	6.00	13.20	0.70					0.59	5.00		25
				5	701014	0	7.60	6.00	12.50	0.80					0.40	2.00		20
				6	701110	0	6.60	7.00	16.30	0.70					0.66	4.00		30
				7	701214	0	6.70	10.00	19.50	0.60					0.30	0.00		35
				8	710712	0	6.60	5.00	17.00	0.80						3.00		30
						0	6.86	6.86	15.57	0.70	1.00	0.25	1.45	0.40	0.44	3.43		28
1034	57	11	2	1	700610	0	4.85		19.00	1.00					0.30			70
1035	34	9	2	1	80				13.00									
1036	16	9	2	1	771201	0	6.47	8.40	51.50	1.03	2.62	0.78						45
1037	7	10	1	1	760101	0	6.20	2.00	13.00	0.70	1.00				1.00			
1038	7	8	1	1	730101	0	8.60	8.00	15.00	0.80	2.00				1.10			
1039	16	11	2	1	790305	0	7.80	39.00	96.80	4.42	10.64	4.27						8
1040	7	9	1	1	720101	0	6.70	4.00	24.00	0.70	6.00				1.00			
1041	7	9	1	1	760101	0	5.50	1.00	16.00	0.40	0.70				1.70			
1042	7	11	2		70	0	6.50	12.00	26.10		1.73	0.86	0.47	0.37	1.00	2.30		
1043	57	11	2	1	700610	0	5.40		33.00	2.00								76
				2	700630	0	6.60	12.00	25.00	1.10	1.62	0.82	1.45	0.40	0.30	5.00		15
				3	700728	0	6.40	11.00	25.00	1.10					0.20	5.00		20
				4	700906	0	7.30	12.00	19.60	1.20					0.44	5.00		0

Table 2. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
1043	57	11	2	5	701014	0	7.70	12.00	25.00	1.20					0.24	2.50		0
				6	701110	0	6.90	13.00	28.00	1.20					0.20	2.00		17
				7	701214	0	6.70	12.00	27.00	1.50					0.33	1.50		10
						0	6.71	12.00	26.09	1.33	1.62	0.82	1.45	0.40	0.28	3.50		20
1044	7	11	2	1	730101	0	5.90	3.00	17.00	0.80	0.60				1.00			
1045	16	10	1	1	790727	0	4.85	1.00	16.60	0.43	0.94	0.36						150
1046	16	10	1	1	730731	0	5.62	1.50	24.10	0.50	1.12	0.68	2.20		3.10	4.00		70
1047	7	11	2	1	770101	0	6.50	5.00	17.00	1.00	0.60				1.50			
1048	7	7	2	1	780101	0	6.70	6.00	18.00	0.60	0.80				1.00			
1049	7	8	1	1	760101	0	6.00	1.00	12.00	0.60	0.90				1.00			
1050	7	9	1	1	720101	0	7.30	10.50	24.00	1.30	1.00				2.30			
1051	7	9	2	1	780101	0	6.60	4.00	37.50	0.60	1.00				7.00			
1052	7	8	1	1	760101	0	6.10	4.00	18.00	1.00	1.30				1.50			
1053	16	10	1	1	790727	0	5.27	1.00	22.70	0.65	1.43	0.56						100
1054				2	720908	0	6.70	4.70	21.00		1.90	0.60	1.00		0.70	4.00		
				3	730403	0	6.40	10.30	31.00		2.60	1.00	1.00		1.20	2.60		
				4	730614	0	6.20	5.00	14.00		1.40	0.50	0.40		0.60	2.00		
				5	740821	0	6.40	7.40	21.50		2.30	0.90	0.70		0.20	2.00		
				6	750403	0	6.50	8.20	22.90		2.10	0.87	0.80		1.50	2.00		
				7	750618	0	6.10	1.70	20.70		1.50	0.55	0.40		1.00	5.00		
				8	760407	0	6.20	4.40	15.50			0.50	2.00		6.10	2.00		
				9	760616	0	5.80	6.00	14.00		1.60	0.60	1.00		0.40	1.90		
				10	760915	0	6.30	7.20	25.00		1.80	0.70	0.60		0.40	1.60		
				11	770329	0	6.80	7.50	21.70		2.10	0.75	0.80		0.70	1.30		
				12	770621	0	6.70	6.20	16.00		2.00	0.65	0.60		0.20	1.70		
				13	780407	0	6.80	8.00	27.00		2.10	0.90	1.10		0.80	2.30		
				14	780614	0	6.70	4.50	13.00		1.30	0.45	0.50		0.30	2.00		
				15	780912	0	6.90	5.50	20.00		2.10	0.65	0.60		0.10	2.00		
						0	6.46	6.19	20.24		1.91	0.69	0.82		1.01	2.31		
1054	6	8	1	1	720621	0	6.40	4.50	13.50		1.60	0.50	0.40		1.00	1.20		
1055				2	720623	0	6.70	11.60			3.50	1.20	0.50		0.10	2.00		
				3	730228	0	5.80	1.00		0.48	1.20	0.94			9.70	6.00		
				4	730811	0	7.10	7.10			2.10	0.90	1.70		2.50	2.00		

Table 2. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
1055				5	730917	0	7.40	9.00			2.20	0.80	0.80		0.80	2.00		
				6	741019	0	7.00	7.30			2.10	0.80	0.60		1.00	2.00		
				7	741006	0	6.70	7.60			1.90	0.70	0.60		0.70	4.00		
						0	6.78	7.27		0.48	2.17	0.89	0.84		2.47	3.00		
1055	6	11	1	1	720323	0	6.60	12.40			3.00	1.30	0.70		0.80	2.20		
1056	7	11		1	730101	0	6.70	9.00	21.00	1.10	3.40				1.70			
1057	7	11	1	1	730101	0	6.80	10.00	25.00	1.10	1.40				2.60			
1057	57	11	1	2	700610	0	6.88		19.50	1.10								50
				2	700630	0	6.80	11.00	19.30	1.10	1.45	0.71	1.60	0.35	0.05	5.00		21
				3	700728	0	6.20	9.00	18.00	0.90					0.35	4.00		15
				4	700906	0	7.20	9.00	16.20	0.90					0.59	4.00		.
				5	701014	0	7.80	10.00	16.10	0.90					0.68	2.50		10
				6	701110	0	6.90	11.00	18.40	1.00					0.28	3.00		30
				7	701214	0	7.40	10.00	19.00	1.20					0.33	0.50		20
				8	710712	0	6.80	8.00	19.00	0.90					0.40	5.00		20
						0	7.00	9.71	18.19	1.00	1.45	0.71	1.60	0.35	0.38	3.43		24
1058	7	11	1	1	730101	0	6.70	9.00	22.00	1.20	1.70				1.90			
1059	7	11	1	1	750101	0	6.50	8.00	22.00	1.00	1.50				1.70			
1061	7	8	1	1	75	0	6.60	4.00	14.30	0.50	0.80				1.00		4.90	
1062	7	8	1	1	75	0	6.80	5.00	15.40	0.50	0.90				1.00		6.10	
1063	7	8	1	1	75	0	6.40	4.00	15.40	0.80	0.90				1.00		4.90	
1064	7	8	1	1	75	0	6.30	5.00	16.40	0.60	1.00				1.00		6.10	
1065	7	8	1	1	75	0	6.60	5.00	17.40	0.70	1.00				1.00		6.10	
1066	7	8	1	1	75	0	6.60	5.00	17.40	0.70	1.00				1.00		6.10	
1067	7	8	1	1	75	0	6.10	5.00	18.00	0.60	1.00				1.00		6.10	
1068	7	8	1	1	75	0	6.00	5.00	18.30	1.00	1.00				1.00		6.10	
1069	7	8	1	1	75	0	6.30	6.00	19.10	0.70	1.00				1.00		7.30	
1070	7	8	1	1	75	0	6.20	6.00	18.80	0.80	1.40				1.00		7.30	
1071	7	8	1	1	75	0	6.20	3.00	18.00	0.80	1.10				1.00		3.70	

Table 2. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
1072	7	8	1	1	75	0	6.00	5.00	19.10	0.80	1.40				1.00		6.10	
1073	7	8	1	1	75	0	6.10	4.00	19.70	0.80	1.40				1.00		4.90	
1074	7	8	1	1	75	0	6.20	5.00	20.90	0.60	1.10				2.00		6.10	
1075	7	8	1	1	75	0	6.20	6.00	18.60	0.70	1.40				1.00		7.30	
1076	7	8	1	1	75	0	6.10	6.00	18.10	0.80	1.30				1.00		7.30	
1077	7	8	1	1	75	0	6.10	6.00	18.10	0.70	1.40				1.00		7.30	
1078	7	8	1	1	75	0	6.10	6.00	18.70	0.70	1.40				1.00		7.30	
1079	7	8	1	1	75	0	6.10	5.00	18.70	0.70	1.20				1.00		6.10	
1080	7	8	1	1	75	0	6.20	6.00	19.20	0.80	1.50				1.00		7.30	
1081	7	10	1	1	75	0	6.00	5.00	20.30	0.90	1.10				1.00		6.10	
1082	7	10	1	1	75	0	6.50	7.00	18.70	0.80	1.40				1.00		8.50	
1083	7	7	1	1	730101	0	6.00	3.00	19.00	0.60	2.50				0.90			
1083	7	10	1	1	75	0	6.40	7.00	18.70	0.80	1.20				1.00		8.50	
1084	7	7	2	1	770101	0	6.60	4.50	22.00	1.00	0.90				2.00			
1084	7	10	1	1	75	0	6.30	6.00	18.70	0.80	1.10				1.00		7.30	
1085	7	10	1	1	76	0	6.30	5.00	18.70	0.80	1.20				0.60		6.10	
1086	7	10	1	1	76	0	6.20	4.00	17.00	0.70	1.30				0.70		4.90	
1087	7	10	1	1	76	0	6.40	5.00	18.00	0.80	1.30				0.60		6.10	
1088	7	10	1	1	76	0	6.30	5.00	18.00	0.80	1.30				0.60		6.10	
1089	7	10	1	1	76	0	6.30	5.00	18.00	0.80	1.30				0.60		6.10	
1090	7	10	1	1	76	0	6.30	5.00	19.00	0.80	1.20				0.60		6.10	
1091	7	10	1	1	76	0	6.40	5.00	17.00	0.80	1.10				0.60		6.10	
1240	7	7	2	1	780101	0	6.60	7.00	19.00	0.60	1.00				2.00			

Table 2. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
1241	7	7	1	1	730101	0	6.30	4.00	11.00	0.60	1.00				[illegible]			
1242	59	9	2		78	0	6.20	1.50	27.00		1.45	0.42	2.90	0.18	3.20	0.35		
1243	7	7	1	1	730101	0	6.60	4.00	16.00	0.60	1.00				1.40			
1244	7	7	1	1	730101	0	6.90	14.00	34.00	1.60	1.00				3.40			
1245	7	7	2	1	780101	0	6.60	3.00	15.00	0.80	0.50				1.00			
1246	7	7	1	1	730101	0	6.50	5.00	24.00	1.20	1.00				2.00			
1247	7	11	2	1	760101	0	6.20	4.00	12.00	0.50	0.60				0.60			
1248	7	11	2	1	760101	0	6.50	5.00	16.00	0.60	1.00				0.80			
1249	34	9	2	1	800802	0			14.00									
1250	6	10	1	1	780101	0	6.60	7.00	22.00	1.20	2.30				1.80			
1251	7	10	1	1	780101	0	6.70	20.00	49.00	2.60	3.00				6.00			
1252	2	10	1	1	730731	0	7.20	10.80	47.50	1.82	5.17	1.30	1.40		2.00	1.50		20
1253	7	11	1	1	760101	0	7.00	20.00	43.00	2.30	4.60				0.80			
1254	6	10	1	1	780913	0	7.00	5.60	15.00		1.50	0.42	0.80			2.00		
1255	7	10	2	1	750101	0	6.50	4.00	16.00	0.80	0.70				0.80			
1256	7	11	2	1	73	0	6.70	10.00	24.70									10
1257	7	11	2	1	780101	0	6.70	7.00	21.00	1.40	0.90				1.00			
1258	7	11	2	1	780101	0	6.60	9.00	22.00	1.40	0.80				1.00			
1259	7	8	1	1	760101	0	6.50	3.00	15.00	0.70	1.10				1.50			
1260	20	8	1	1	790808	0			16.00									
1261	20	8	1	1	790810				13.00									
1262	59	8	2	1	780715	0	5.90	1.60	25.00		1.10	0.36	1.98	0.19	7.85	3.45		

Table 2. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
1263	7	9	1	1	720101	0	6.30	3.00	15.00	0.50	2.50				0.60			
1264	7	9	1	1	760101	0	5.90	2.00	21.00	0.60	0.60				4.00			
1265	16	9	2	1	800915	0	6.53	2.70	20.00	0.63	1.84	0.34						35
1266	59	9	2	1	78	0	5.60	1.00	30.00		0.69	0.35	2.50	0.15		0.75		
1267	16	9	2	1	790321	0	6.00	6.80	176.30	2.20	3.16	3.22						80
1268	16	9	1	1	781113	0	8.10	69.90	187.04	7.60	21.32	5.55						35
1269	7	8	1	1	740101	0	6.40	5.00	17.00	0.90	1.10				1.70			
1270	7	11	2	1	770101	0	6.40	8.00	23.00	1.30	1.50				1.10			
1271	7	11	1	1	750101	0	6.00	4.00	14.00	0.70	0.70				0.70			
1272	20	11	1	1	790821				12.00									
1273	20	11	1	1	790822				12.00									
1274	21	11	1	1	790822	0			12.00									
1275	59	9	2		76	0	5.90	9.00	35.00		0.10	0.18	0.73	0.70	7.27	1.10		
1276	7	11	2	1	770101	0	6.10	8.00	21.00	1.20	1.30				1.00			
1277	7	11	2	1	770101	0	6.00	3.50	15.00	0.60	0.90				1.70			
1278	7	11	2	1	780101	0	6.80	10.00	24.00	1.00	2.20				1.00			
1279	7	11	2	1	780101	0	6.70	2.00	10.00	1.00	0.30				1.00			
1280	7	11	2	1	780101	0	6.70	8.00	16.00	1.20	1.20				4.00			
1281	7	11	2	1	780101	0	6.70	4.00	9.50	0.60	0.50				1.00			
1282	7	11	1	1	760101	0	6.70	24.00	56.00	3.00	5.00				0.70			
1283	7	10	2	1	770101	0	6.60	3.50	16.00	0.60	1.30				1.30			
1284	7	10	1	1	760101	0	6.30	2.00	14.00	0.70	0.70				1.00			
1285	20	10	1	1	790812	0			18.00									

Table 2. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
1286	20	10	1	1	780805	0	6.50	3.00	21.00	0.60								35
1287	20	10	1	1	780805	0	6.50	3.00	19.00	0.50								40
1288	20	10	1	1	780805	0	7.00	9.00	31.00	0.90								10
1289	20	10	1	1	780805	0	6.50	4.00	16.00	0.60								40
1290	20	10	1	1	780805	0	6.50	4.00	20.00	0.60								55
1291	20	10	1	1	780805	0	6.10	3.00	13.00	0.40								65
1292	20	10	1	1	780805	0	6.40	3.00	13.00	0.40								35
1293	20	8	1	1	780805	0	6.20	5.00	18.00	0.70								50
1294	20	10	1	1	780805	0	6.10	4.00	16.00	0.70								60
1295	20	10	1	1	780805	0	5.80	2.00	10.00	0.40								50
1296	7	10	2	1	750101	0	6.60	3.00	13.00	0.70	0.70				0.60			
1297	7	8	2	1	780101	0	6.60	5.00	14.00	1.00	0.50				4.00			
1298	7	8	2	1	780101	0	6.50	4.00	17.00	0.40	0.50				1.50			
1299	7	8	2	1	770101	0	6.50	6.00	37.00	1.40	0.60				7.50			
1301	7	8	2	1	770101	0	6.60	6.00	16.00	1.00	0.90				1.30			
1302	34	8	2	1	800802	0			12.00									
1303	7	7	2	1	780101	0	6.80	6.00	20.00	0.80	0.50				1.50			
1304	7	11	1	1	730101	0	4.80	21.00	16.00	0.10	1.00				0.60			
1305	7	7	1	1	730101	0	6.10	2.00	16.00	0.60	1.00				0.90			
1306	6	8	1	1	740820	0	6.40	5.60	26.00		1.50	0.60	0.80		0.60	2.00		
1307	7	8		1	740101	0	6.70	10.00	30.00	1.20	2.00				3.50			
1308	59	8	2		77	0	6.78	4.40	23.50		2.84	0.54	1.11	0.41	10.28	1.65		
1309	7	8	2	1	770101	0	6.50	8.00	123.00	2.00	0.90				33.00			

Table 2. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
1310	34	8	2	1	800802	0			13.00									
1311	34	9		1	800802	0			12.00									
1312	34	8		1	800802	0			12.00									
1313	34	8		1	800802	0			8.00									
1314	34	8		1	800802	0			12.00									
1315	34	9		1	800802	0			11.00									
1316	34	9		1	800802	0			4.80									
1317	34	9		1	800802	0			4.40									
1318	34	9		1	800802	0			5.80									
1319	34	9		1	800802	0			9.00									
1320	34	9		1	800802	0			17.00									
1321	34	9		1	800802	0			21.00									
1322	34	9		1	800802	0			14.00									
1323	34	9		1	800802	0			17.00									
1324	34	9		1	800802	0			8.30									
1325	34	9		1	800802	0			9.00									
1326	34	9		1	800802	0			8.00									
1327	34	9		1	800802	0			16.00									
1328	34	9		1	800802	0			12.00									
1329	20	8	1	1	790810	0			20.00									
1330	20	8	1	1	790811	0			14.00									
1331	20	10	1	1	790815	0			18.00									
1332	20	10	1	1	790815	0			15.00									

Table 2. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
1333	20	10	1	1	790819	0			15.00									
1334	20	10	1	1	790819	0			15.00									
1335	20	10	1	1	790828	0			13.00									
1336	21	10	1	1	790828	0			13.00									
1337	7	7	1	1	730101	0	4.80	1.00	16.00	0.60	0.50				0.70			
1338	16	10	1	1	730731	0	5.10	1.00	25.20	0.46	1.05	0.47	2.00		3.10	4.50		60
1339	7	7	1	1	740101	0	5.80	4.00	16.00	0.60	1.00				0.40			
1341				2	790305	0	7.81	119.40	442.80	9.78	26.40	7.76			54.00			5
1341	16	8	1	1	800530	0	7.89	59.70	221.00	8.14	25.68	4.07						10
1342	7	7	1	1	730101	0	6.60	5.00	15.00	0.70	1.30				1.20			
1343	7	11	1	1	750101	0	6.50	8.00	20.00	1.00	1.00				1.50			
1344	6	8	2	1	710829	0	6.20	5.30	14.30		1.70	0.40	0.80		0.30	1.40		
1345	7	8	1	1	770101	0	6.20	4.00	15.00	0.70	0.90				1.00			
1346	7	11	1	1	760101	0	6.10	4.00	15.00	0.60	1.00				0.60			
1347	7	9	1	1	760101	0	6.30	2.00	8.00	0.40	1.80				0.70			
1348	7	9	1	1	760101	0	6.30	5.00	22.00	0.90	1.30				1.50			
1349	7	9	1	1	790601	0	5.83	1.60	22.50	0.60	1.22	0.59						70
1350	7	10	1	1	750101	0	6.30	3.00	11.00	0.50	0.70				0.80			
1351	7	11	1	1	760101	0	6.30	4.00	21.00	1.00	1.00				1.50			
1352	7	10	1	1	760101	0	6.30	4.00	22.00	0.60	1.10				2.00			
1353	7	8	1	1	760101	0	6.20	4.00	17.00	0.80	1.30				2.00			
1354	20	8	1	1	790811	0			13.00									
1355	6	10	1	1	780101	0	6.80	2.00	16.00	0.60	2.00				0.70			

Table 2. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
1356	7	9	1	1	760101	0	5.70	1.00	24.00	0.60	0.60				5.00			
1357	16	10	1	1	730731	0	5.30	1.50	17.00	0.36	0.75	0.40	1.40		1.50	4.00		
1358	7	11	1	1	760101	0	6.30	4.00	12.00	0.60	0.60				0.50			
1359	16	9	2	1	79060	0	6.13	1.40	24.20	0.73	1.47							150
1360	7	9	1	1	720101	0	6.20	2.00	8.00	0.40	1.80				0.50			
1361	7	11	1	1	760101	0	6.30	4.00	16.00	0.80	1.00				0.40			
1362	6	10	1	1	780906	0	6.70	4.00	17.00		1.90	0.50	0.80		0.50	3.00		
1363	59	9	2		77	0	6.25	5.00	14.00		0.46	0.17	0.84		6.91	1.04		
1364	7	7	1	1	770101	0	6.60	7.00	26.00	0.80	0.80				1.50			
1365	7	7	2	1	780101	0	6.60	3.00	18.00	0.60	0.50				1.00			
1366	7	8	2	1	770101	0	6.20	4.00	18.00	0.70	0.90				1.10			
1367	16	10	1	1	790727	0	4.65	9.40	18.93	0.34	0.69	0.30						60
1368	7	9	1	1	760101	0	5.90	2.00	21.00	0.60	0.60				4.00			
1369	7	9	1	1	720101	0	6.20	4.00	22.00	0.70	1.70				3.60			
1370	7	7	1	1	730101	0	6.70	12.00	27.00	1.20	3.50				2.00			
1371	7	8	1	1	780101	0	6.70	9.00	26.00	1.20	1.50				1.00			
1372	7	7	2	1	780101	0	6.60	3.00	10.00	0.40	0.40				1.00			
1373	7	8	1	1	760101	0	6.10	3.00	10.00	0.60	1.00				1.00			
1374	20	8	1	1	790827	0			11.00									
1375	7	11	1	1	770101	0	6.80	12.00	23.00	1.20	2.30				1.00			
1376	7	8	2	1	780101	0	6.70	9.00	32.00	1.40	3.80				2.00			
1377	7	11	2	1	760101	0	6.40	4.00	12.00	0.60	0.60				0.60			
1378	7	9	2	1	760101	0	6.30	2.00	22.00	0.70	0.70				4.00			

Table 2. (Cont'd.)

IDEN	SUBN AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
1379	16	10	1	1	730731	0	5.71	5.50	36.80	1.06	2.79	0.96	2.60		4.20	2.30		70
1380	7	7	1	1	730101	0	5.60	1.00	5.00	0.20	0.50				0.30			
1381	7	9	1	1	760101	0	6.20	3.00	23.00	0.80	1.00				3.00			
1382	7	9	1	1	720101	0	6.20	2.00	8.00	0.40	1.50				0.60			
1383	6	11	2	1	710901	0	7.30	38.00	94.50		10.00	5.50	0.40		0.20	10.70		
1384	7	11	1	1	780101	0	6.70	8.00	23.50	1.20	2.00				4.00			
1385	7	7	2	1	780101	0	6.40	3.00	17.00	0.80	0.90				1.00			
1386	7	7	2	1	740101	0	6.80	6.00	21.00	0.80	2.00				1.30			
1387	7	11	2	1	740101	0	6.30	5.00	15.00	0.70	0.70				1.20			
1388	7	9	1	1	760101	0	6.10	2.00	20.00	0.60	1.00				3.00			
1389	20	8	1	1	790812	0			17.00									
1390	16	10	1	1	730807	0	5.13	0.50	13.20	0.27	0.68	0.26	1.20		1.50	2.50		30
1391	7	10	1	1	780101	0	6.70	1.00	14.00	0.50	2.00				0.50			
1392	7	7	1	1	730101	0	6.40	4.00	20.00	0.90	6.30				1.10			
1393	7	7	2	1	770101	0	6.60	3.00	20.00	0.60	0.60				1.50			
1394	60	7	2	1	800719	0	6.22	1.90	2.00		0.74	0.16	0.12	0.14	0.13	0.64		5
1395	60	7	2	1	800720	0	5.61	1.20	4.00		0.49	0.12	0.16	0.10	0.43	0.56		5
1396	60	7	2	1	800720	0	6.52	7.30	17.00		2.48	0.52	0.33	0.36	0.75	1.31		10
1397	60	8	2	1	800722	0	5.89	2.50	6.00		1.24	0.22	0.18	0.10	0.35	1.03		10
1398	60	10	2	1	800722	0	5.89	3.28	25.00		1.46	0.60	0.79	0.26	3.34	1.79		1
1399	60	10	2	1	800722	0	7.94	108.00	203.00		36.70	7.42	0.75	0.57	3.43	2.78		10
1400	60	10	2	1	800723	0	6.61	3.43	27.00		1.68	0.69	1.40	0.49	4.90	2.43		30
1401	60	10	2	1	800724	0	4.99	0.40	12.00		1.06	0.27	0.46	0.53	1.47	0.99		100

Table 2. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
1402	60	10	2	1	800724	0	5.90	0.50	8.00		0.75	0.24	0.38	0.19	1.35	1.07		30
1403	60	10	2	1	800724	0		1.00	32.00		1.23	0.41	0.56	4.88	5.56	2.27		60
1404	60	10	2	1	800724	0	5.20	0.40	20.00		0.83	0.35	0.66	0.36	2.33	1.23		60
1405	60	10	2	1	8007	0	5.70	0.70	13.00		1.06	0.27	0.46	0.53	1.84	1.15		40
1406	60	10	2	1	800724	0	5.70	1.30	74.00		1.21	0.37	0.50		18.40	5.57		50
1407	60	10	2	1	800724	0	5.80	0.20	14.00		1.20	0.30	0.45	4.54	4.54	1.71		60
1408	60	10	2	1	800725	0	6.10	1.00	8.00		0.89	0.24	0.29	0.19	0.70	0.72		50
1409	60	10	2	1	8007	0	5.93	1.30	9.00		1.21	0.27	0.24	0.30	0.61	0.62		100
1410	60	10	2	1	800725	0	6.38	242.20	8.00		1.00	0.23	0.24	0.15	0.57	0.72		60
1411	60	10	2	1	800725	0	6.11	1.70	9.00		1.23	0.26	0.27	0.15	0.51	1.07		100
1412	60	10	2	1	800725	0	6.23	1.50	5.00		0.89	0.25	0.24	0.16	0.46	0.68		40
1413	60	10	2	1	800725	0	6.21	2.90	12.00		1.22	0.26	0.30	0.18	0.57	1.15		10
1414	60	10	2	1	800725	0	6.44	61.60	11.00		1.24	0.28	0.29	0.16	0.63	1.11		5
1415	60	10	2	1	800726	0	6.72	106.00	17.00		1.43	0.40	0.36	0.74	0.79	1.07		5
1416	60	10	2	1	800726	0	6.24	62.20	14.00		1.43	0.43	0.31	0.24	0.57	0.68		90
1417	60	8	2	1	800818	0	7.10	13.20	40.00		6.25	0.48	0.28	0.32	0.50	4.05		5
1418	60	8	2	1	800818	0	5.60	0.90	12.00		1.05	0.21	0.21	0.10	0.26	0.99		50
				1	800818	0	7.58	23.20	50.00		8.00	0.79	0.26	0.16	0.44	1.23		5
						0	6.59	12.05	31.00		4.52	0.50	0.23	0.13	0.35	1.11		28
1419	60	8	2	1	800818	0	7.28	16.30	37.00		6.04	0.75	0.24	0.10	0.42	1.15		5
1420	60	8	2	1	800818	0	7.32	15.00	38.00		5.10	0.77	0.51	0.25	0.43	2.74		1
1421	60	8	2	1	800818	0	6.52	1.40	6.00		0.32	0.17	0.12	0.15	0.31	0.91		1
1422	60	8	2	1	800819	0	6.19	1.70	8.00		1.03	0.15	0.12	0.07	0.13	0.76		1
1423	60	8	2	1	800819	0	6.60	0.90	4.00		1.25	0.18	0.22	0.04	0.11	0.76		1

Table 2. (Cont'd.)

IDEN	SUBH AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
1424	60	8	2	1	800819	0	6.48	4.00	5.00		1.03	0.11	0.23	0.03	0.06	0.48		1
1425	60	8	2	1	800819	0	6.41	2.30	3.00		0.78	0.08	0.16	0.02	0.16	0.44		1
1426	60	8	2	1	800819	0	6.02	3.10	6.00		1.23	0.12	0.22	0.07	0.20	0.64		1
1427	60	8	2	1	800819	0	6.29	4.70	11.00		1.98	0.22	0.24	0.04	0.09	0.68		5
1428	60	10	2	1	800726	0	6.22	67.90	16.00		2.14	0.45	0.35	0.26	0.66	1.03		180
1429	60	8	2	1	800818	0	5.81	4.00	21.00		2.21	0.44	0.39	0.34	0.42	1.59		60
1430	60	8	2	1	800818	0	5.89	2.30	16.00		1.75	0.38	0.25	0.19	0.36	1.71		30
1431	60	8	2	1	800818	0	5.61	1.60	11.00		1.36	0.28	0.22	0.18	0.31	1.35		40
1432	60	8	2	1	800818	0	5.25	0.60	11.00		1.16	0.26	0.27	0.13	0.38	1.35		60
1433	60	8	2	1	800818	0	5.42	1.00	11.00		1.31	0.23	0.25	0.15	0.34	1.15		50
1434	60	9	2	1	800818	0	5.15	0.50	14.00		1.16	0.28	0.26	0.11	0.41	1.51		60
1435	60	8	2	1	800818	0	6.69	2.90	9.00		1.46	0.12	0.20	0.11	0.35	0.72		5
1436	60	9	2	1	800818	0	6.41	4.00	13.00		1.82	0.17	0.22	0.15	0.41	0.80		5
1437	60	8	2	1	800819	0	6.40	4.40	10.00		1.67	0.37	0.21	0.03	0.04	0.88		10
1438	60	8	2	1	800819	0	6.11	5.20	11.00		1.67	0.37	0.21	0.03	0.07	0.88		5
1439	60	7	2	1	800820	0	6.19	5.20	4.00		0.72	0.13	0.17	0.19	0.53	0.80		5
1440	60	7	2	1	800820	0	6.58	1.60	5.00		0.82	0.17	0.18	0.14	0.38	0.68		5
1441	60	7	2	1	800820	0	6.72	0.90	4.00						0.35	0.84		5
1442	60	7	2	1	800820	0	6.92	0.90	4.00		0.59	0.15	0.18	0.11	0.46	0.64		5
1443	60	7	2	1	800820	0	6.62	1.20	2.00		0.60	0.15	0.18	0.11	0.42	0.64		5
1444	60	7	2	1	800820	0	6.91	1.60	7.00		0.92	0.21	0.22	0.20	0.54	1.03		5
1445	60	7	2	1	800822	0	6.11	1.00	2.00		0.74	0.12	0.11	0.18	0.15	0.80		5
1446	60	7	2	1	800822	0	6.50	1.60	1.00		0.54	0.09	0.11	0.16	0.06	0.44		5

Table 2. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
1447	60	7	2	1	800822	0	6.21	0.60	1.00		0.38	0.06	0.06	0.13	0.07	0.64		5
1448	60	7	2	1	800822	0	6.50	1.00	1.00		0.41	0.11	0.11	0.22	0.07	0.44		5
1449	60	7	2	1	800822	0	6.48	1.20	2.00		0.77	0.07	0.10	0.14	0.14	0.80		5
1450	60	7	2	1	800822	0	6.33	0.50	1.00		0.48	0.07	0.09	0.13	0.06	0.44		5
1451	60	7	2	1	800822	0	7.11	1.20	2.00		0.74	0.09	0.14	0.19	0.09	0.48		5
1452	60	7	2	1	800822	0	6.79	1.80	5.00		0.68	0.18	0.15	0.25	0.10	0.68		5
1453	60	8	2	1	800823	0	6.78	5.50	12.00		1.85	0.24	0.26	0.08	0.18	0.60		5
1454	60	8	2	1	800823	0	6.28	5.80	14.00		1.74	0.32	0.32	0.05	0.10	0.72		10
1455	60	8	2	1	800823	0	7.00	5.20	12.00		1.56	0.31	0.26	0.05	0.08	0.72		5
1456	60	8	2	1	800823	0	6.48	3.70	7.00		0.94	0.28	0.18	0.09	0.09	0.72		5
1457	60	8	2	1	800823	0	6.19	1.70	5.00		0.62	0.19	0.16	0.08	0.07	0.76		5
1458	60	8	2	1	800823	0	6.21	4.60	11.00		1.27	0.32	0.35	0.23	0.12	0.88		10
1459	60	8	2	1	800823	0	6.79	5.40	17.00		2.09	0.40	0.43	0.16	0.22	1.03		10
1460	60	8	2	1	800823	0	6.42	6.30	12.00		1.69	0.44	0.26	0.10	0.07	0.99		10
1461	60	8	2	1	800823	0	6.89	4.10	9.00		1.44	0.35	0.16	0.19	0.18	0.88		5
1462	60	8	2	1	800823	0	6.28	2.20	5.00		1.10	0.15	0.16	0.21	0.13	0.76		5
1463	16	10	1	1	730731	0	6.81	3.00	34.00	0.77	1.76	0.81	3.20		3.10	4.50		50
1464	16	10	1	1	730731	0	7.28	69.80	160.00	7.10	2.04	4.80	2.40		2.80	4.00		
1465	16	10	1	1	730731	0	7.77	98.50	224.00	10.20	29.70	6.72	2.00		4.20	7.00		15
				2	73	0	7.75	56.30	137.00	5.96	17.40	3.96	2.40		4.00	4.50		30
				3	73	0	7.82	118.00	252.00	12.00	36.50	6.92	2.00		4.20	5.50		
						0	7.78	90.93	204.33	9.39	27.87	5.87	2.13		4.13	5.67		23
1466	7	10	1	1	760101	0	5.90	1.00	12.00	0.50	0.70				1.50			
1467	7	11	1	1	760101	0	5.80	1.00	12.00	0.70	0.80				1.00			
1468	7	10	1	1	760101	0	6.30	2.00	11.00	0.70	1.20				1.00			

Table 2. (Cont'd.)

IDEN	SUBM AGEN	GEOG REG	WAT TYPE	SAMP NO	DATE	DEP	PH	ALK	COND	HARD	CA	MG	NA	K	CL	SO4	HCO3	COL
1469				2	740403	0	6.50	11.30	39.30		3.70	1.50	2.00		1.40	5.00		
1469	6	11	1	1	720323	0	6.30	9.60	23.90		2.70	0.90	0.50		0.60	1.90		
1470	7	8	1	1	760101	0	6.00	3.00	15.00	0.70	1.30				1.50			
1471	34	8	1	1	800802	0			14.00									
1472	7	11	1	1	740101	0	6.10	4.40	14.00	0.60	0.70				0.80			
1473	16	11	2	1	800814	0	7.39	2.60	70.00	2.95	6.94	2.85						20
1474	7	11	1	1	760101	0	7.10	42.00	93.00	6.20	10.20				0.60			
1475	7	11	1	1	760101	0	6.50	4.00	16.00	0.80	1.10				0.70			
1476	7	7	1	1	760101	0	6.40	8.00	23.00	0.80	1.60				2.00			
1477	16	10	1	1	791113	0	8.56	113.60	272.77	8.56	24.45	5.95						15
1478	59	9	2		77	0	6.10	1.40	11.90		0.75	0.23	0.79	0.24	7.98	0.93		
1479	7	9	2	1	780131	0	6.60	1.00	13.00	0.60	0.40				1.50			
1480	7	9	1	1	730101	0	6.20	4.50	15.00	0.80	1.10				1.00			
1481	7	8	2	1	710829	0	4.80	1.00	16.70		0.80	0.40	0.40		0.20	4.00		
1482	7	8	2	1	740101	0	6.30	3.50	15.00	0.70	0.70				1.20			
1483	7	10	2	1	740101	0	6.40	6.00	22.00	1.00	1.40				1.20			
1484	59	9	2		77	0	5.97	1.90	16.40		0.90	0.27	1.01	0.29	6.91	2.30		
1485	7	11	2	1	760101	0	6.80	24.00	57.00	3.00	6.90				0.60			
1486	6	10	1	1	770101	0	6.00	4.00	20.00	0.60	0.60				3.20			

APPENDIX 4: STATISTICAL SUMMARY BY PARAMETER

Parameter: pH

Units: pH units

Insular Newfoundland

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 1	240	4.20	10.41	6.69	0.95
Region 2	116	4.31	8.62	6.41	0.67
Region 3	196	4.55	7.73	6.28	0.53
Region 4	271	4.70	7.30	6.23	0.44
Region 5	123	4.70	7.48	6.03	0.57
Region 6	51	4.90	8.00	6.74	0.71
	998	4.90	10.41	6.37	0.70

Labrador

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 7	43	4.80	7.11	6.45	0.41
Region 8	79	4.80	8.60	6.38	0.53
Region 9	33	5.15	8.10	6.23	0.51
Region 10	72	4.65	8.56	6.31	0.70
Region 11	61	4.80	7.80	6.56	0.57
	318	4.65	8.60	6.41	0.60

APPENDIX 4: (Cont'd.)

Parameter: Alkalinity Units: mg ℓ^{-1} ($CaCO_3$)

Insular Newfoundland

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 1	95	0.50	142.71	32.83	34.83
Region 2	114	-0.75	534.10	14.67	52.82
Region 3	190	0.10	65.80	4.82	6.03
Region 4	269	0.50	30.00	3.29	2.62
Region 5	120	-0.23	19.00	3.72	3.62
Region 6	51	-0.50	76.00	17.74	19.84
	840	-0.75	534.10	9.45	25.28

Labrador

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 7	43	0.50	14.00	3.75	3.03
Region 8	79	0.60	59.70	5.78	7.10
Region 9	33	0.50	69.90	5.22	11.86
Region 10	73	0.20	242.20	18.23	40.06
Region 11	58	1.00	42.00	10.15	8.53
	316	0.20	242.20	9.56	21.80

APPENDIX 4: (Cont'd.)

Parameter: Conductivity Units: $\mu S\ cm^{-1}$

Insular Newfoundland

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 1	238	10.40	680.00	83.99	81.27
Region 2	109	2.00	454.81	37.48	59.33
Region 3	189	11.43	329.80	42.87	43.60
Region 4	271	16.00	326.00	45.79	33.12
Region 5	120	11.00	230.60	34.74	25.79
Region 6	51	18.00	318.15	80.84	74.43
	979	2.00	680.00	54.12	58.28

Labrador

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 7	43	1.00	34.00	12.88	9.03
Region 8	92	3.00	221.00	19.67	25.27
Region 9	50	4.40	187.04	23.91	33.71
Region 10	80	5.00	272.77	32.79	52.86
Region 11	63	9.50	96.80	24.65	19.11
	352	1.00	272.77	24.55	39.60

APPENDIX 4: (Cont'd.)

Parameter: Hardness

Units: mg ℓ^{-1} ($CaCO_3$)

Insular Newfoundland

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 1	94	0.13	17.16	4.03	3.98
Region 2	73	0.23	15.78	1.77	2.89
Region 3	142	0.30	8.68	1.07	1.02
Region 4	244	0.30	6.50	0.89	0.70
Region 5	99	0.26	7.73	0.88	0.86
Region 6	40	0.70	15.00	3.13	3.08
	692	0.13	17.16	1.57	2.30

Labrador

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 7	26	0.20	1.60	0.76	0.28
Region 8	42	0.40	8.14	1.00	1.16
Region 9	25	0.40	7.60	1.00	1.42
Region 10	51	0.27	12.00	1.52	2.53
Region 11	55	0.10	6.20	1.25	1.00
	209	0.10	12.00	1.19	1.66

APPENDIX 4: (Cont'd.)

Parameter: Calcium Units: mg ℓ^{-1}

Insular Newfoundland

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 1	108	0.20	49.30	8.93	9.44
Region 2	92	0.43	54.06	4.01	7.83
Region 3	193	0.49	26.30	2.26	2.96
Region 4	266	0.10	12.00	1.72	1.63
Region 5	113	0.44	25.34	1.83	2.52
Region 6	51	0.90	21.16	5.82	5.02
	824	0.10	54.06	3.31	5.44

Labrador

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 7	42	0.38	6.30	1.14	1.11
Region 8	78	0.32	25.68	1.85	3.01
Region 9	33	0.10	21.32	2.02	3.63
Region 10	64	0.60	36.70	3.48	7.78
Region 11	46	0.30	10.64	2.21	2.63
	286	0.10	36.70	2.29	4.61

APPENDIX 4: (Cont'd.)

Parameter: Magnesium Units: mg ℓ^{-1}

Insular Newfoundland

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 1	87	0.20	18.85	3.28	4.06
Region 2	73	0.19	11.83	1.23	2.15
Region 3	134	0.08	8.00	0.89	1.07
Region 4	70	0.32	2.36	0.88	0.44
Region 5	57	0.20	3.41	0.64	0.55
Region 6	15	0.51	4.90	1.34	1.27
	437	0.08	18.85	1.40	2.32

Labrador

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 7	16	0.06	0.52	0.15	0.11
Region 8	38	0.08	4.07	0.44	0.63
Region 9	13	0.17	5.55	0.97	1.60
Region 10	37	0.23	7.42	1.33	2.13
Region 11	9	0.34	5.50	1.95	1.83
	136	0.06	7.42	0.90	1.54

APPENDIX 4: (Cont'd.)

Parameter: Soduim Units: mg ℓ^{-1}

Insular Newfoundland

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 1	62	0.90	13.50	4.54	2.73
Region 2	57	0.72	6.50	2.03	1.15
Region 3	90	1.20	18.46	3.07	2.18
Region 4	34	2.90	23.35	7.75	5.63
Region 5	28	1.20	8.50	3.28	2.10
Region 6	11	1.50	4.10	2.61	0.84
	283	0.72	23.35	3.74	3.23

Labrador

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 7	16	0.06	0.33	0.15	0.06
Region 8	37	0.12	1.98	0.35	0.34
Region 9	8	0.22	2.90	1.16	1.00
Region 10	33	0.24	3.20	1.02	0.85
Region 11	7	0.40	1.60	0.80	0.51
	122	0.06	3.20	0.68	0.68

APPENDIX 4: (Cont'd.)

Parameter: Potassium Units: mg ℓ^{-1}

Insular Newfoundland

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 1	47	0.10	0.90	0.32	0.20
Region 2	39	0.07	0.50	0.15	0.09
Region 3	55	0.10	0.50	0.19	0.10
Region 4	0	-	-	-	-
Region 5	12	0.10	0.40	0.14	0.09
Region 6	7	0.10	0.30	0.23	0.08
	161	0.07	0.90	0.22	0.15

Labrador

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 7	16	0.10	0.36	0.17	0.07
Region 8	33	0.02	0.41	0.13	0.10
Region 9	7	0.11	0.70	0.26	0.20
Region 10	19	0.15	4.88	0.78	1.40
Region 11	4	0.35	0.45	0.39	0.04
	80	0.02	4.88	0.32	0.72

APPENDIX 4: (Cont'd.)

Parameter: Chloride Units: mg ℓ^{-1}

Insular Newfoundland

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 1	84	0.60	32.90	8.18	5.77
Region 2	84	0.49	15.00	3.24	2.65
Region 3	158	0.90	53.60	5.95	6.37
Region 4	237	0.85	66.00	10.90	8.04
Region 5	90	1.50	27.95	7.02	4.06
Region 6	47	2.50	70.00	9.50	11.85
	701	0.49	70.00	7.95	7.34

Labrador

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 7	43	0.06	3.40	0.92	0.73
Region 8	77	0.04	33.00	1.54	4.00
Region 9	26	0.41	7.98	3.03	2.47
Region 10	59	0.46	18.40	2.03	2.61
Region 11	56	0.05	4.00	0.92	0.78
	290	0.04	33.00	1.73	4.08

APPENDIX 4: (Cont'd.)

Parameter: Sulphate Units: mg ℓ^{-1}

Insular Newfoundland

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 1	72	0.80	16.70	3.44	2.08
Region 2	53	1.00	8.23	2.69	1.29
Region 3	92	0.50	4.81	2.55	0.70
Region 4	52	1.10	20.50	4.22	3.05
Region 5	43	0.10	9.00	2.56	1.74
Region 6	12	2.50	7.50	3.82	1.46
	325	0.10	20.50	3.09	1.92

Labrador

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 7	17	0.44	1.31	0.70	0.23
Region 8	37	0.44	4.05	1.28	0.90
Region 9	8	0.35	2.30	1.10	0.59
Region 10	33	0.62	7.00	2.40	1.72
Region 11	18	0.50	10.70	3.66	2.24
	141	0.35	10.71	2.07	1.69

APPENDIX 4: (Cont'd.)

Parameter: Bicarbonate Units: mg ℓ^{-1}

Insular Newfoundland

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 1	60	0.00	164.50	23.89	32.75
Region 2	12	3.70	10.40	7.37	2.14
Region 3	48	1.20	12.20	5.56	2.58
Region 4	150	0.00	12.20	4.13	2.23
Region 5	32	2.40	12.20	5.24	2.98
Region 6	22	3.70	92.70	25.89	30.17
	324	0.00	164.5	9.71	18.27

Labrador

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 7	0	-	-	-	-
Region 8	20	3.70	7.30	6.22	1.02
Region 9	0	-	-	-	-
Region 10	11	4.90	8.50	6.54	1.11
Region 11	0	-	-	-	-
	32	3.10	<8.50	6.23	1.18

APPENDIX 4: (Cont'd.)

Parameter: Colour Units: TCU

Insular Newfoundland

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 1	207	3	375	69.0	59.2
Region 2	59	5	100	44.0	29.4
Region 3	99	5	351	64.6	45.7
Region 4	34	8	233	51.9	51.5
Region 5	37	10	275	49.9	45.6
Region 6	11	15	225	60.0	59.4
	448	3	375	61.6	52.1

Labrador

	No. of stations	Min.	Max.	Mean	Std. Dev.
Region 7	17	5	10	5.3	1.2
Region 8	33	1	60	14.5	18.8
Region 9	8	5	150	60.0	43.3
Region 10	41	1	180	52.2	37.8
Region 11	19	0	76	23.3	20.9
	126	0	180	30.4	33.1

APPENDIX 5: SPATIAL DISTRIBUTION OF PARAMETER VALUES IN INSULAR NEWFOUNDLAND AND LABRADOR, INCLUDING STATION LOCATION MAPS

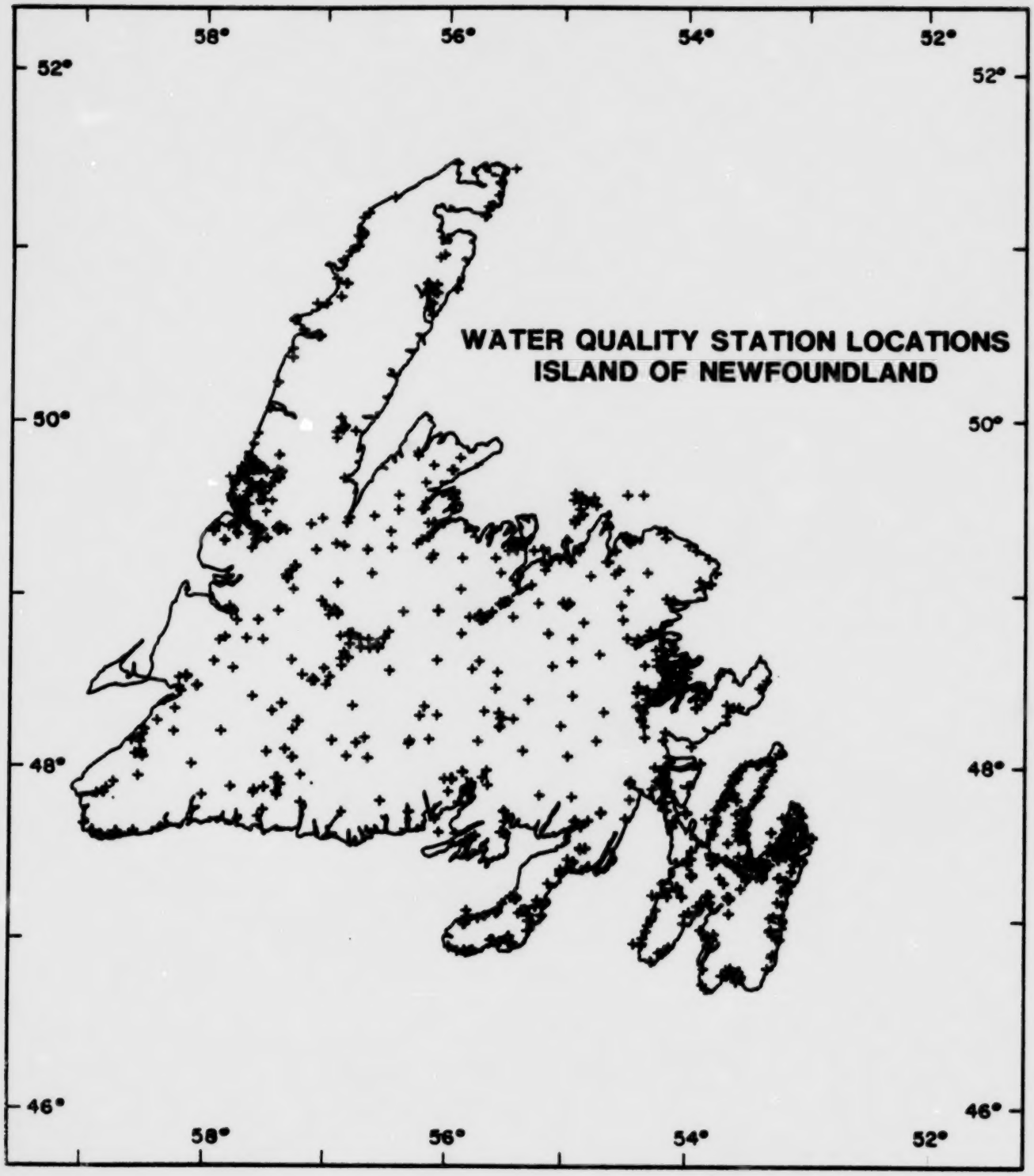

Fig. 1. Water quality station location - Island of Newfoundland.

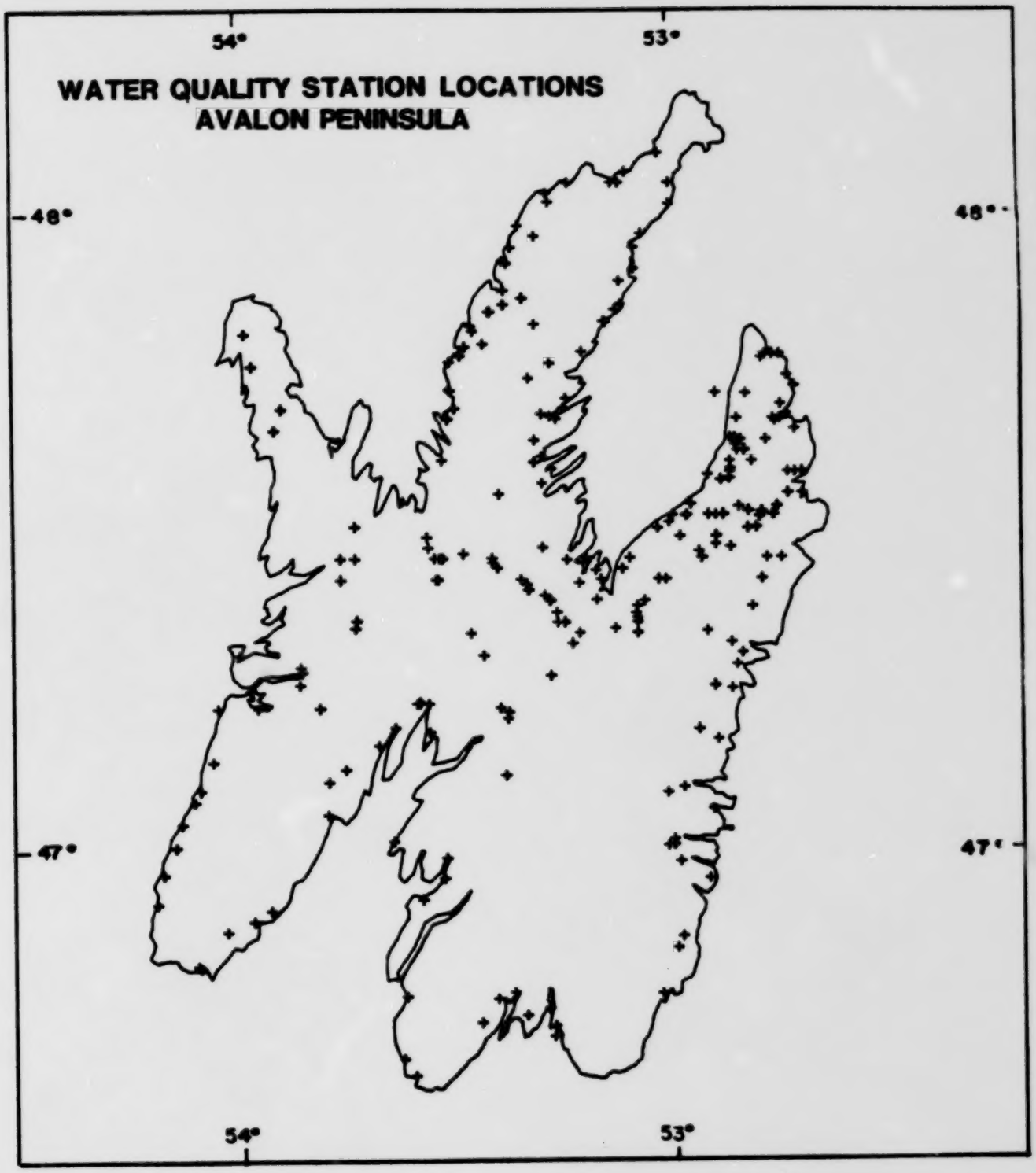

Fig. 2. Water quality station location - Avalon Peninsula.

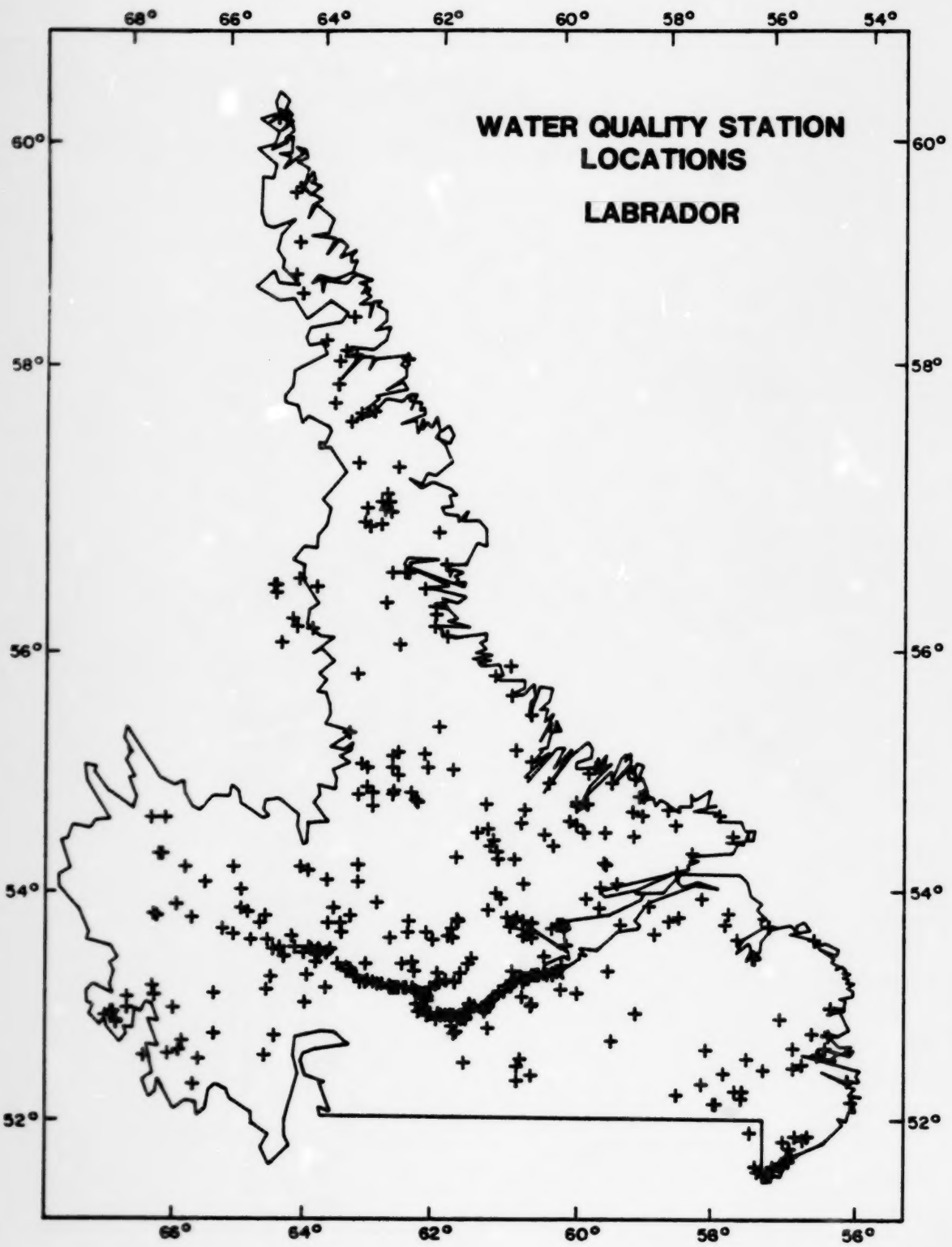

Fig. 3. Water quality station location - Labrador.

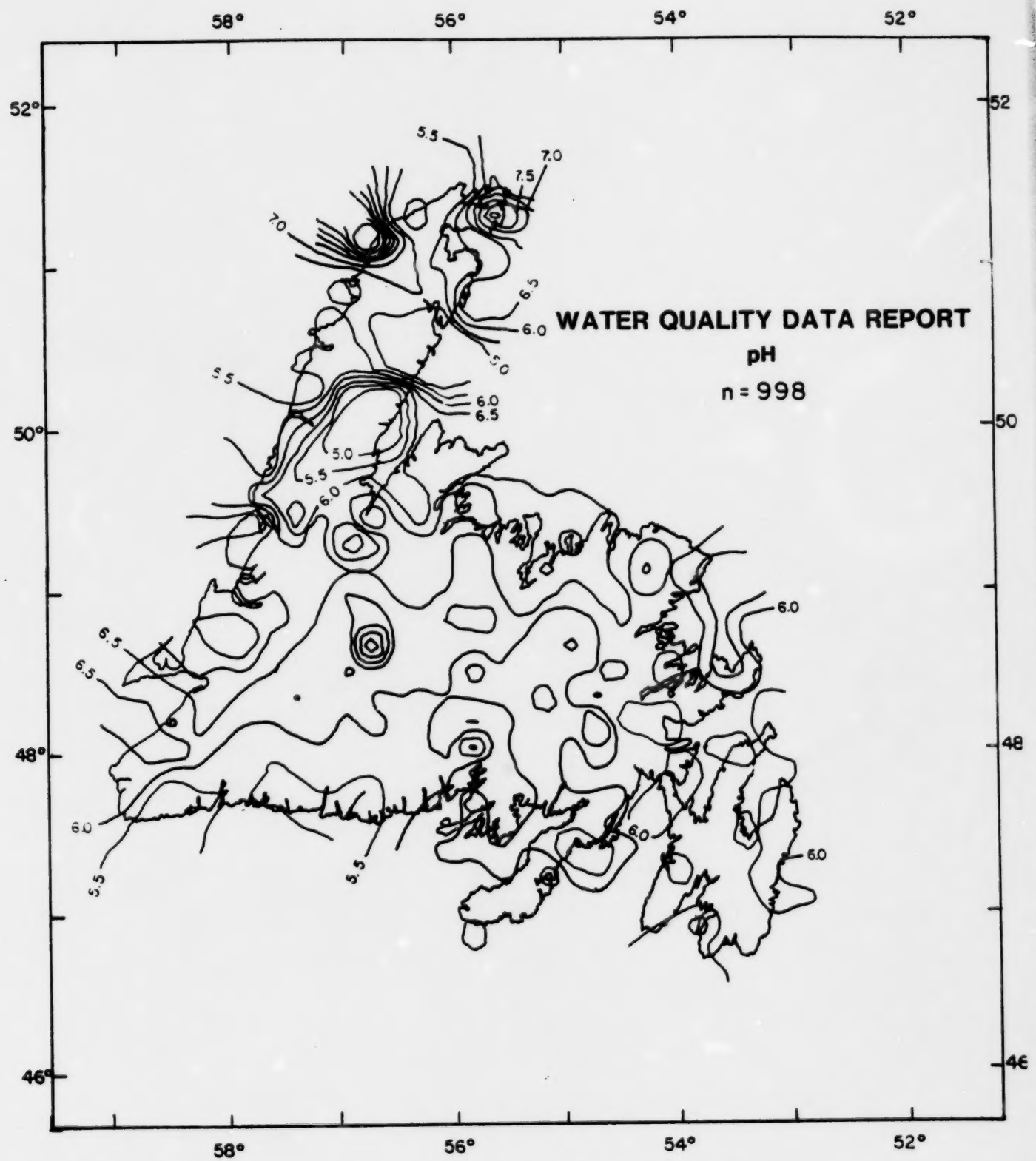

Fig. 4. Spatial distribution of pH values - Insular Newfoundland.

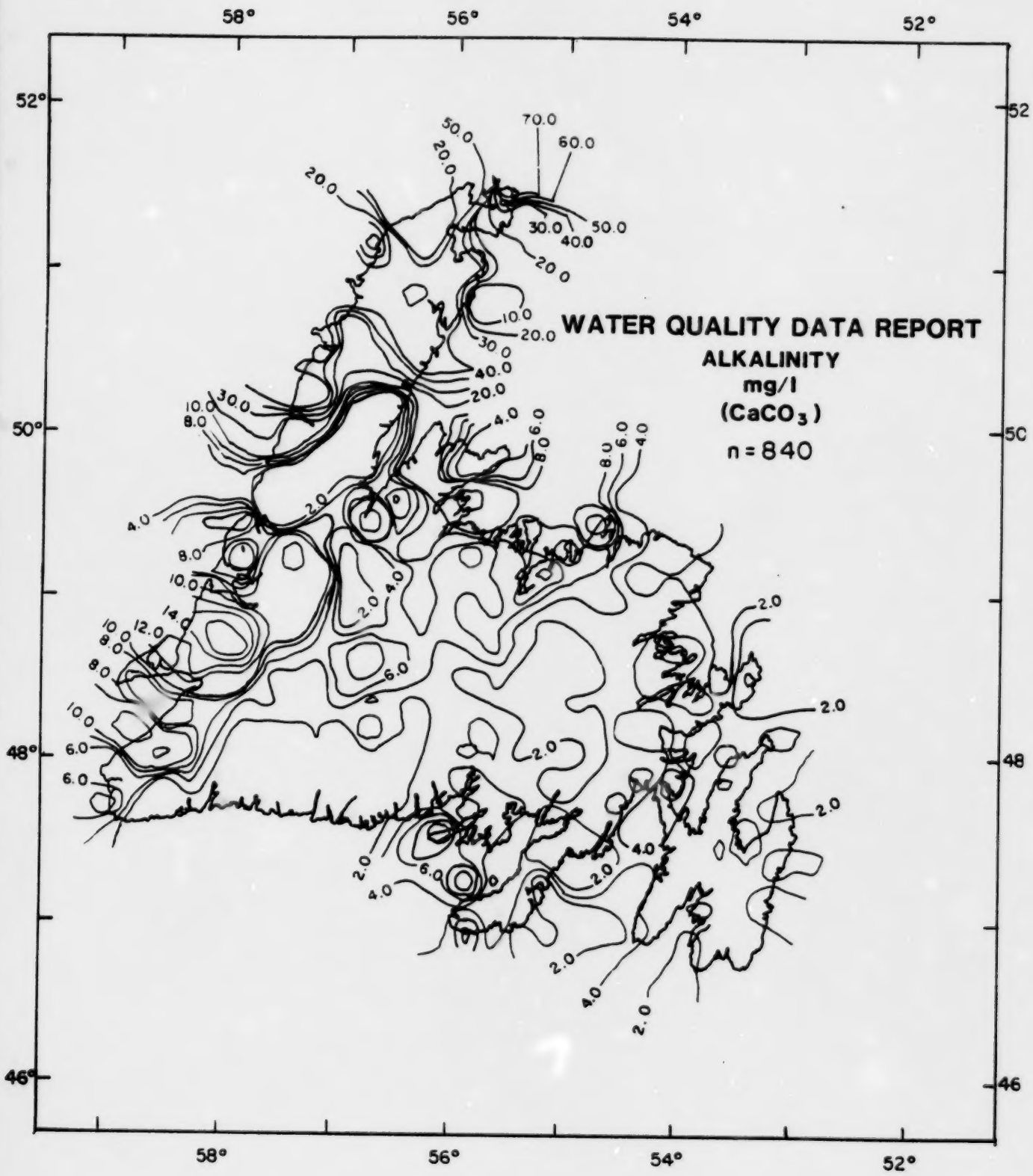

Fig. 5. Spatial distribution of alkalinity values - Insular Newfoundland.

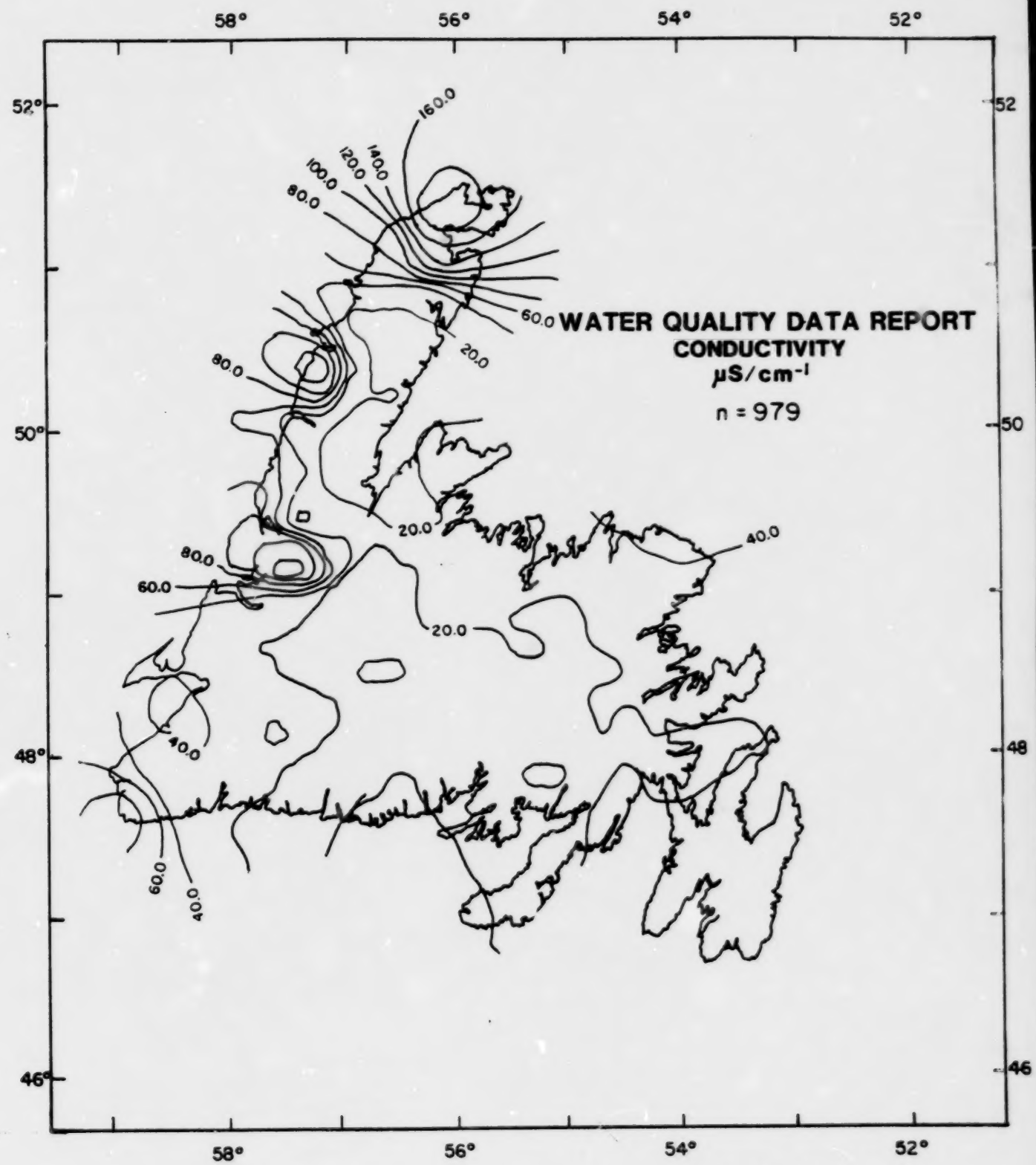

Fig. 6. Spatial distribution of conductivity values - Insular Newfoundland.

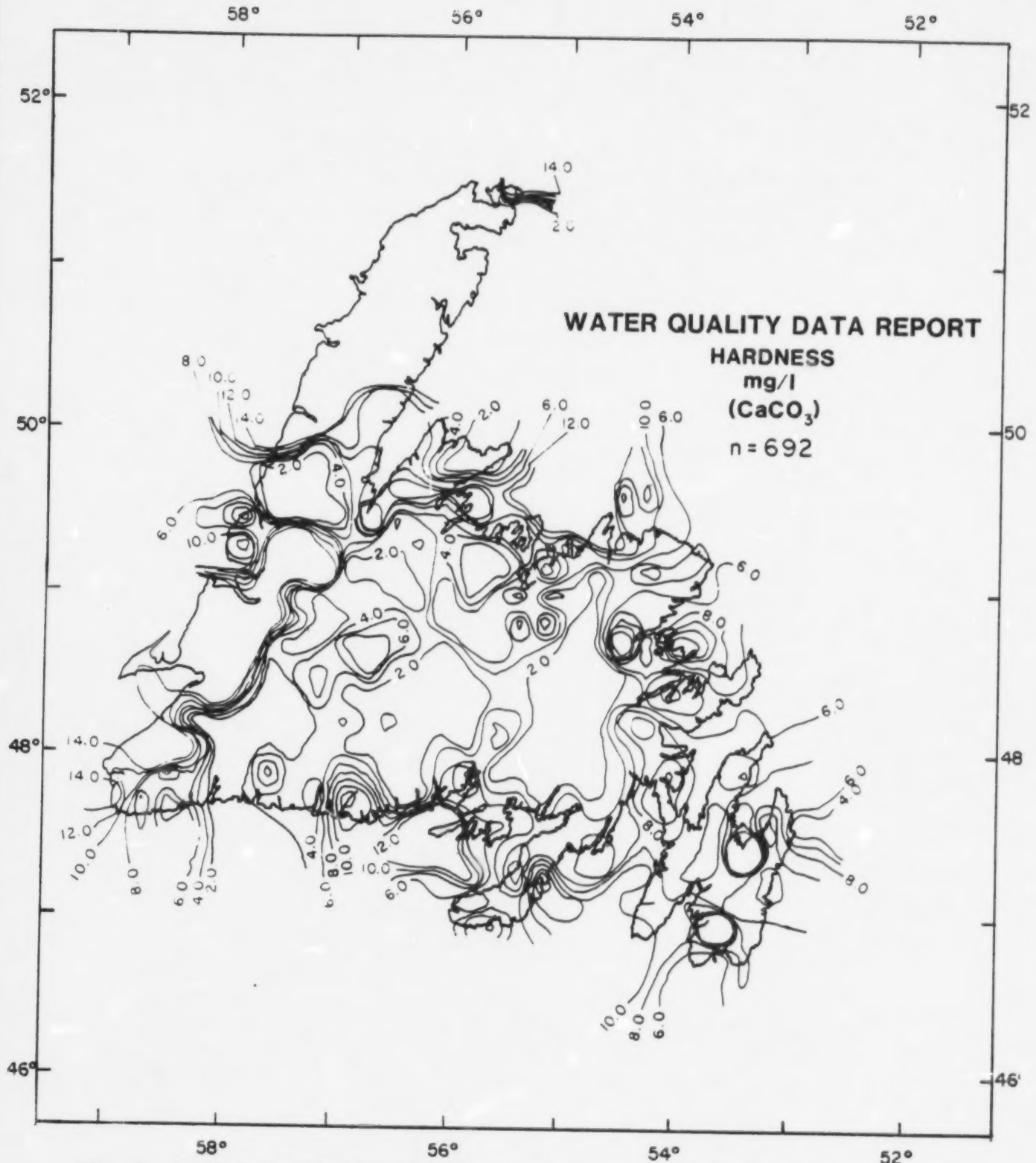

Fig. 7. Spatial distribution of hardness values - Insular Newfoundland.

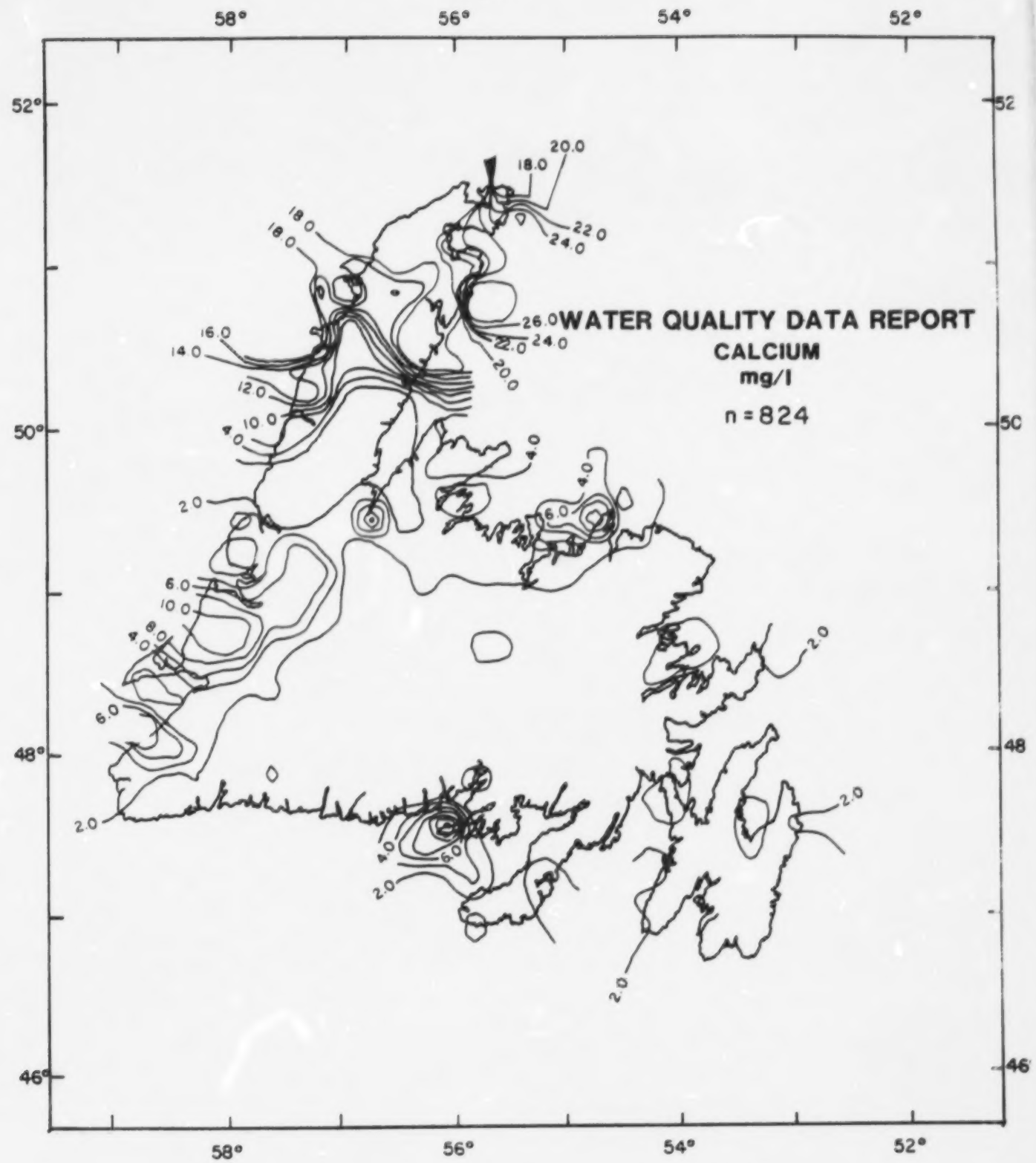

Fig. 8. Spatial distribution of calcium values - Insular Newfoundland.

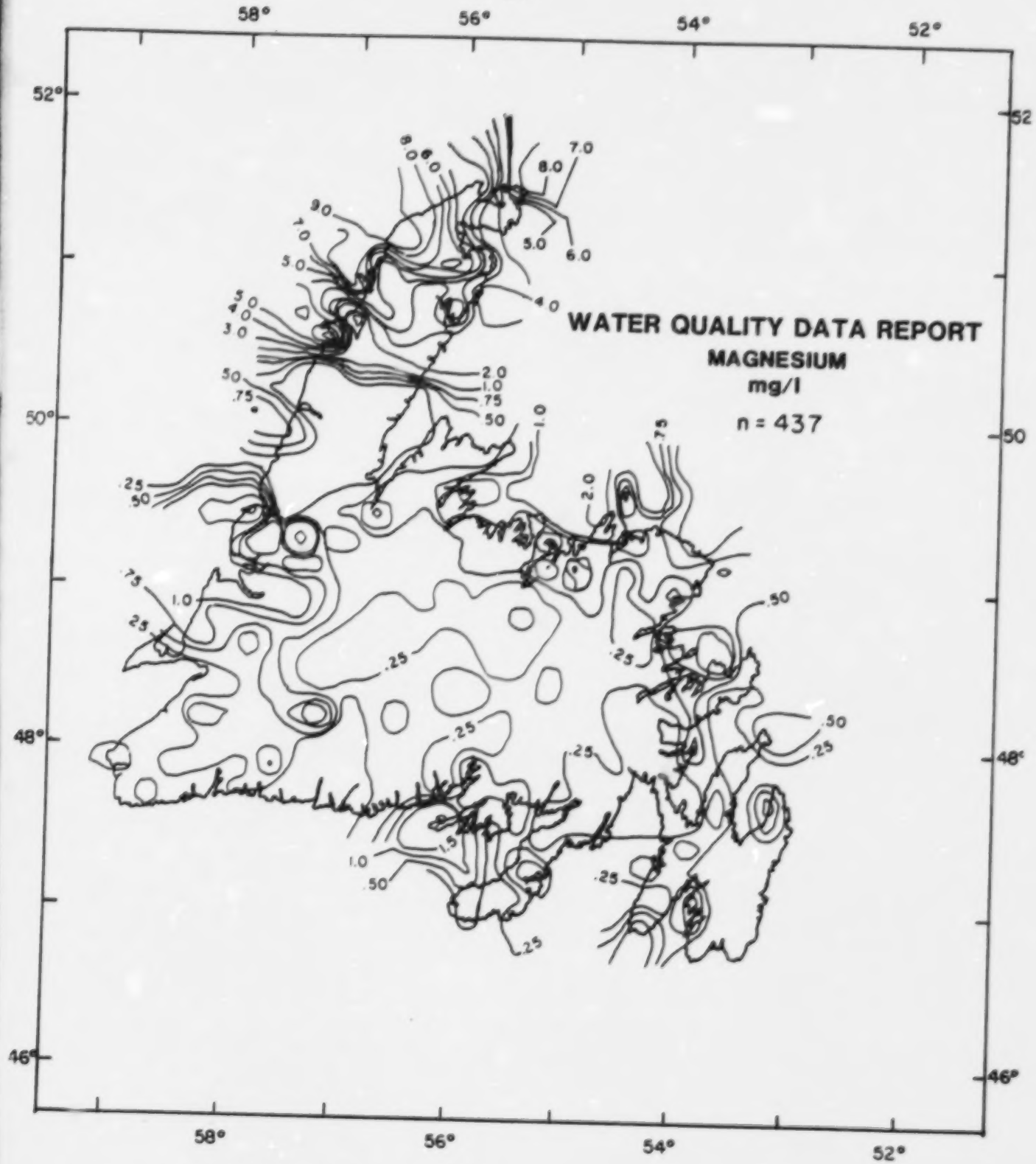

Fig. 9. Spatial distribution of magnesium values - Insular Newfoundland.

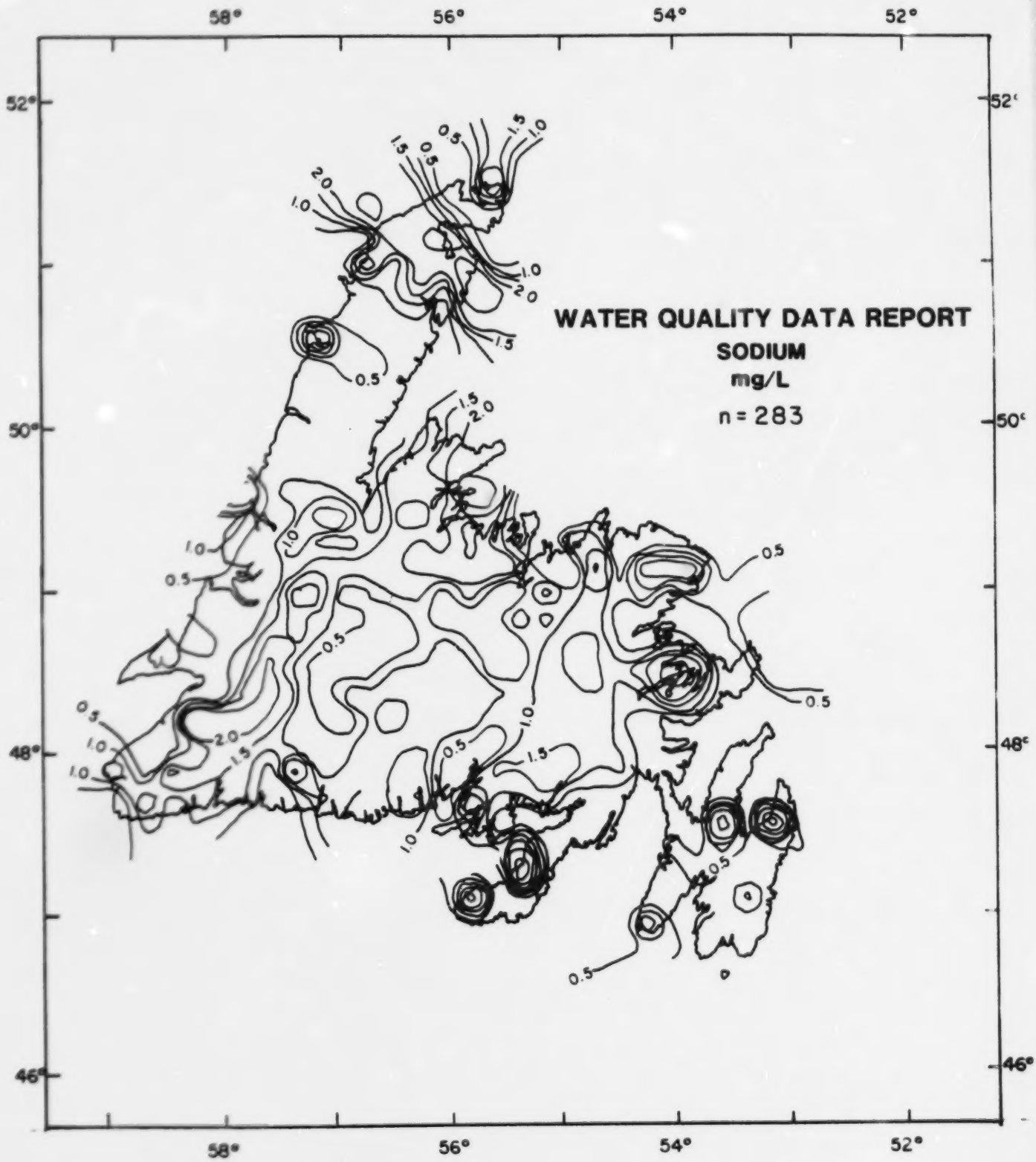

Fig. 10. Spatial distribution of sodium values - Insular Newfoundland.

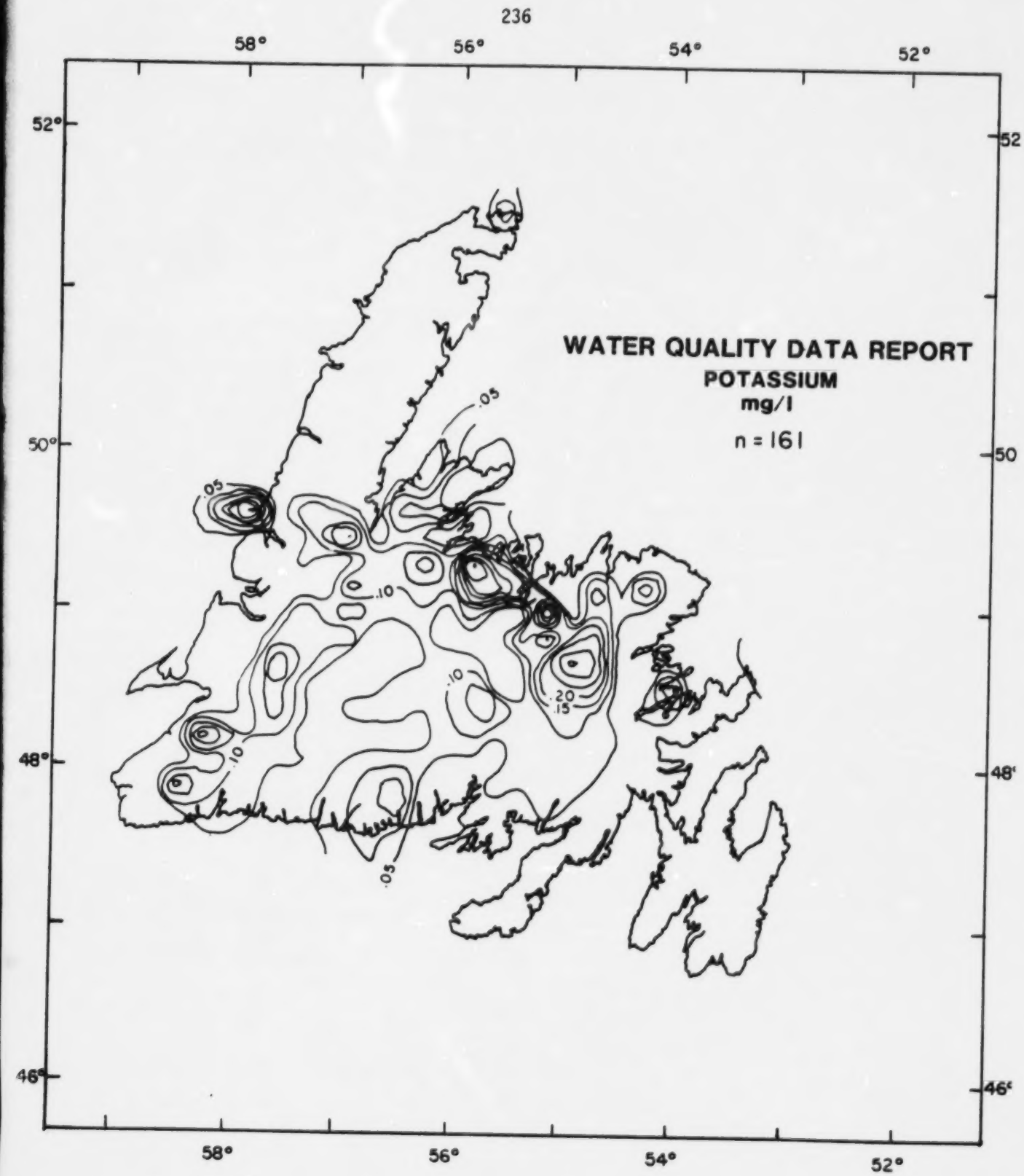

Fig. 11. Spatial distribution of potassium values - Insular Newfoundland.

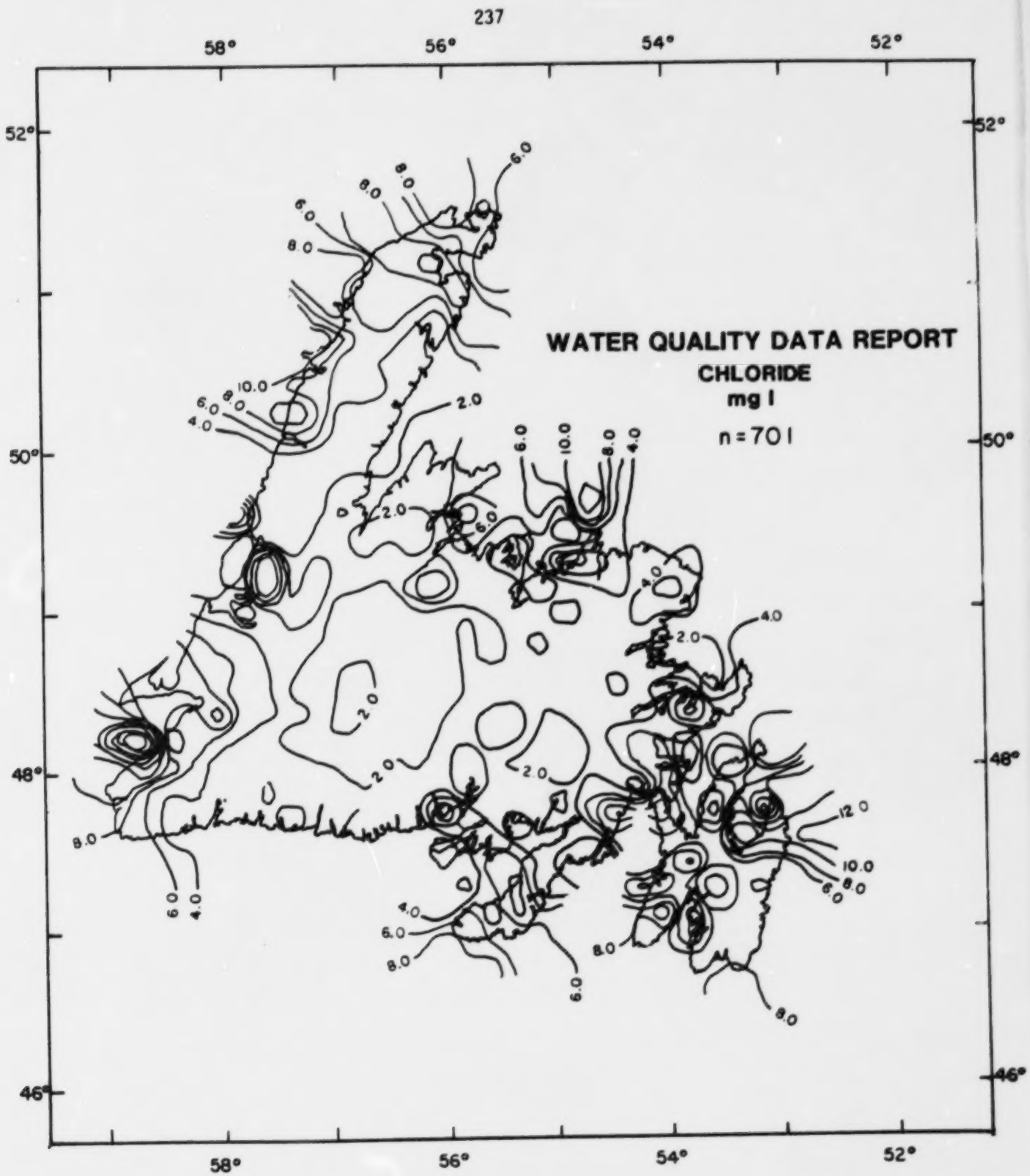

Fig. 12. Spatial distribution of chloride values - Insular Newfoundland.

Fig. 13. Spatial distribution of sulphate values - Insular Newfoundland.

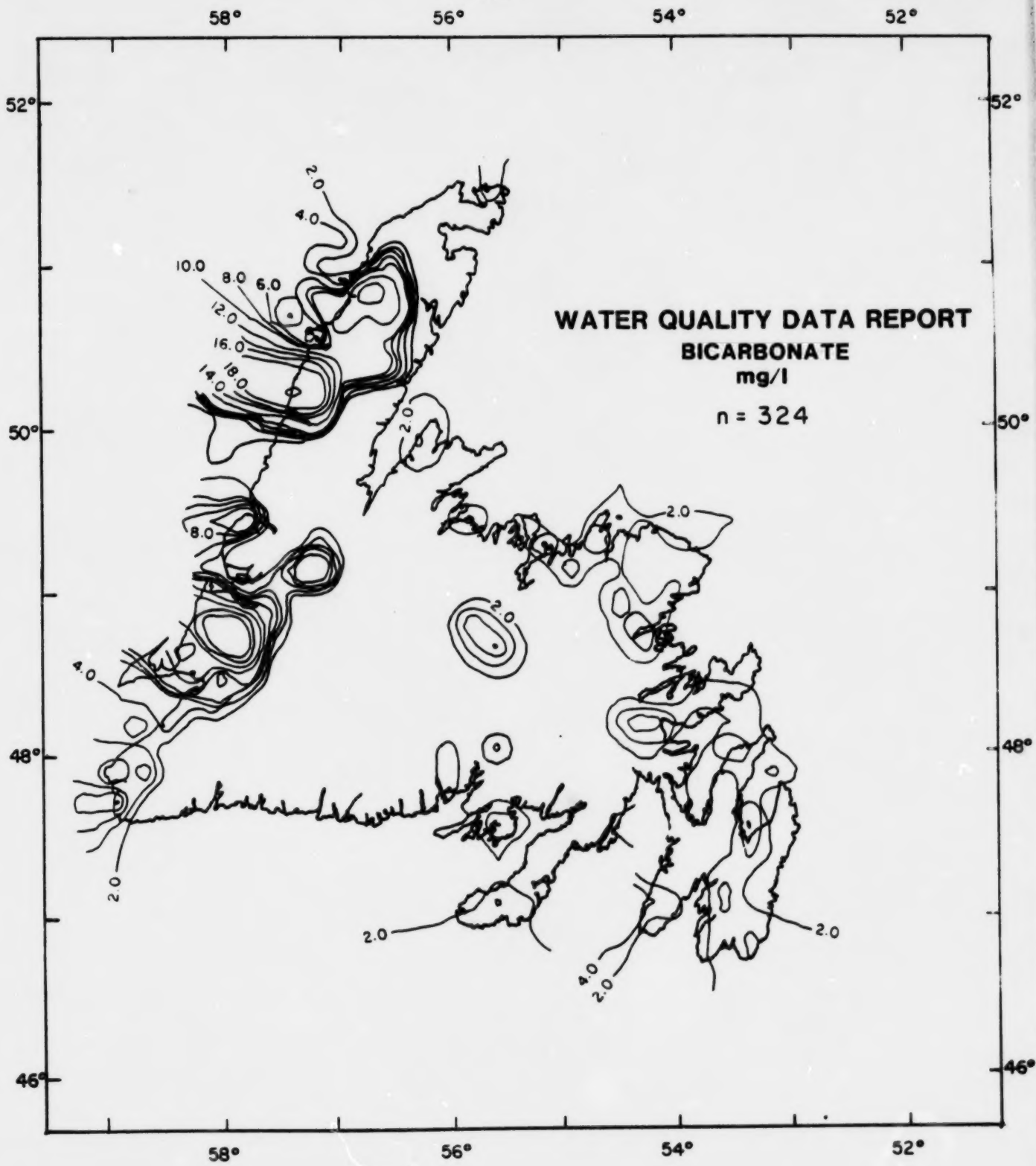

Fig. 14. Spatial distribution of bicarbonate values - Insular Newfoundland.

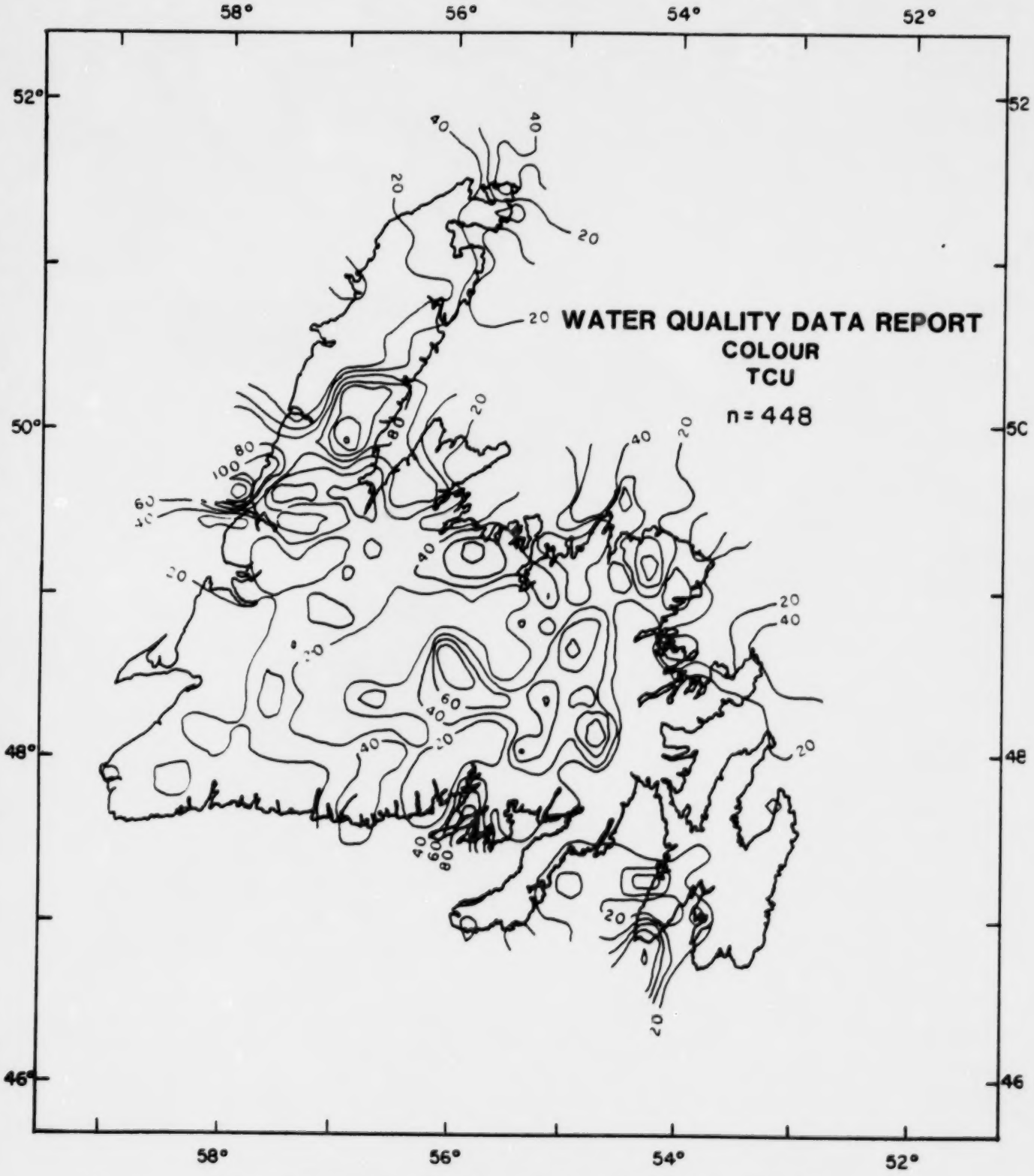

Fig. 15. Spatial distribution of colour values - Insular Newfoundland.

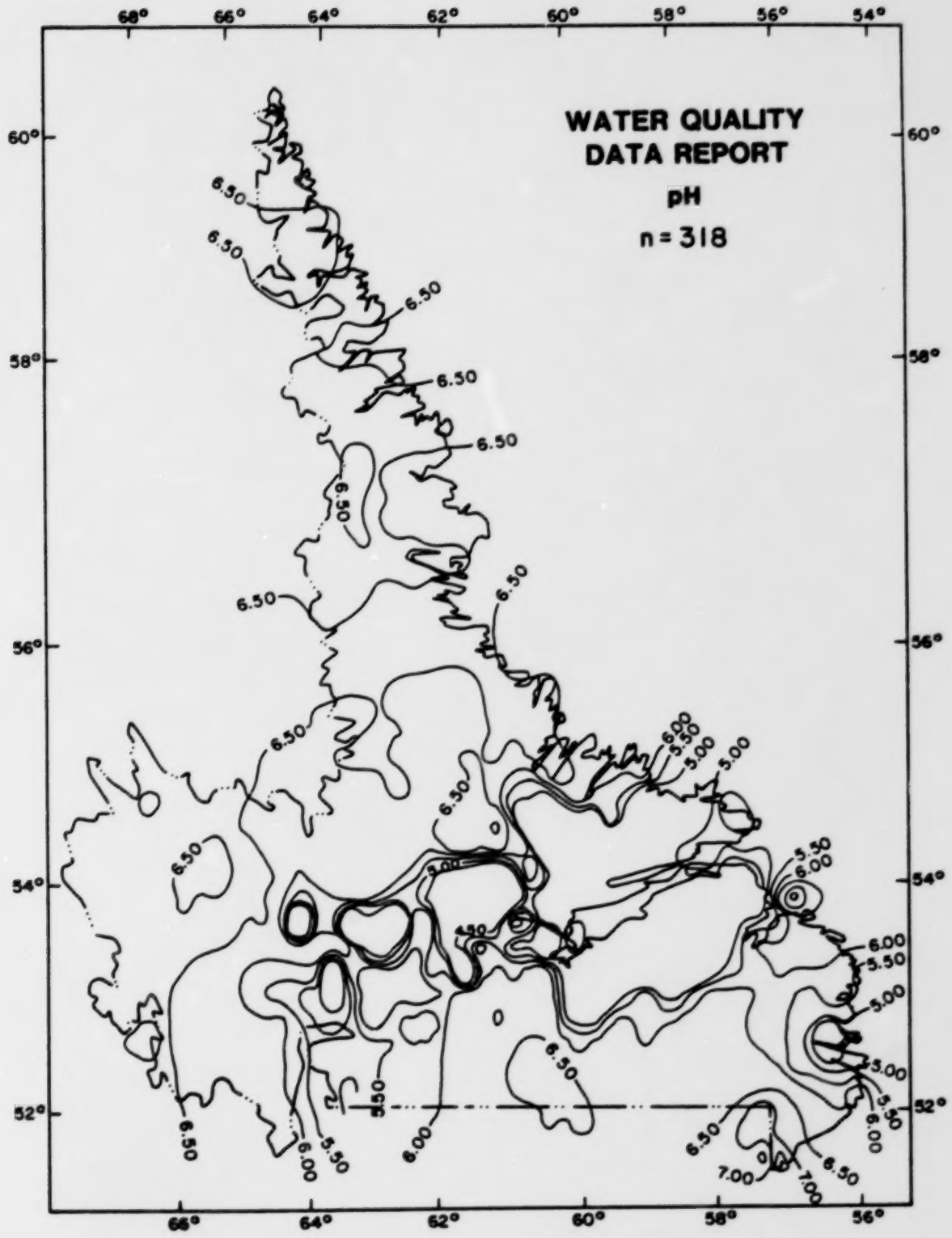

Fig. 16. Spatial distribution of pH values - Labrador.

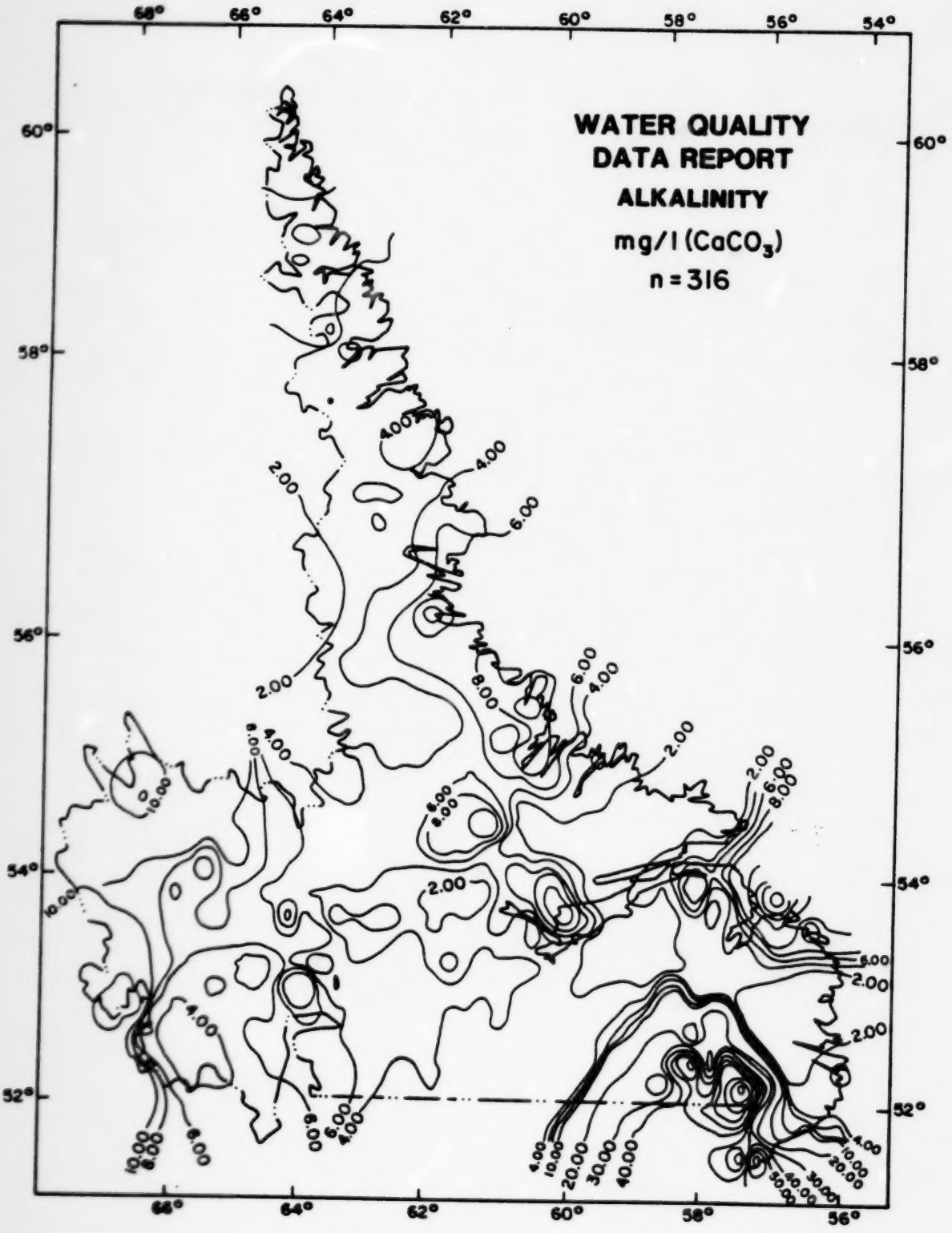

Fig. 17. Spatial distribution of alkalinity values - Labrador.

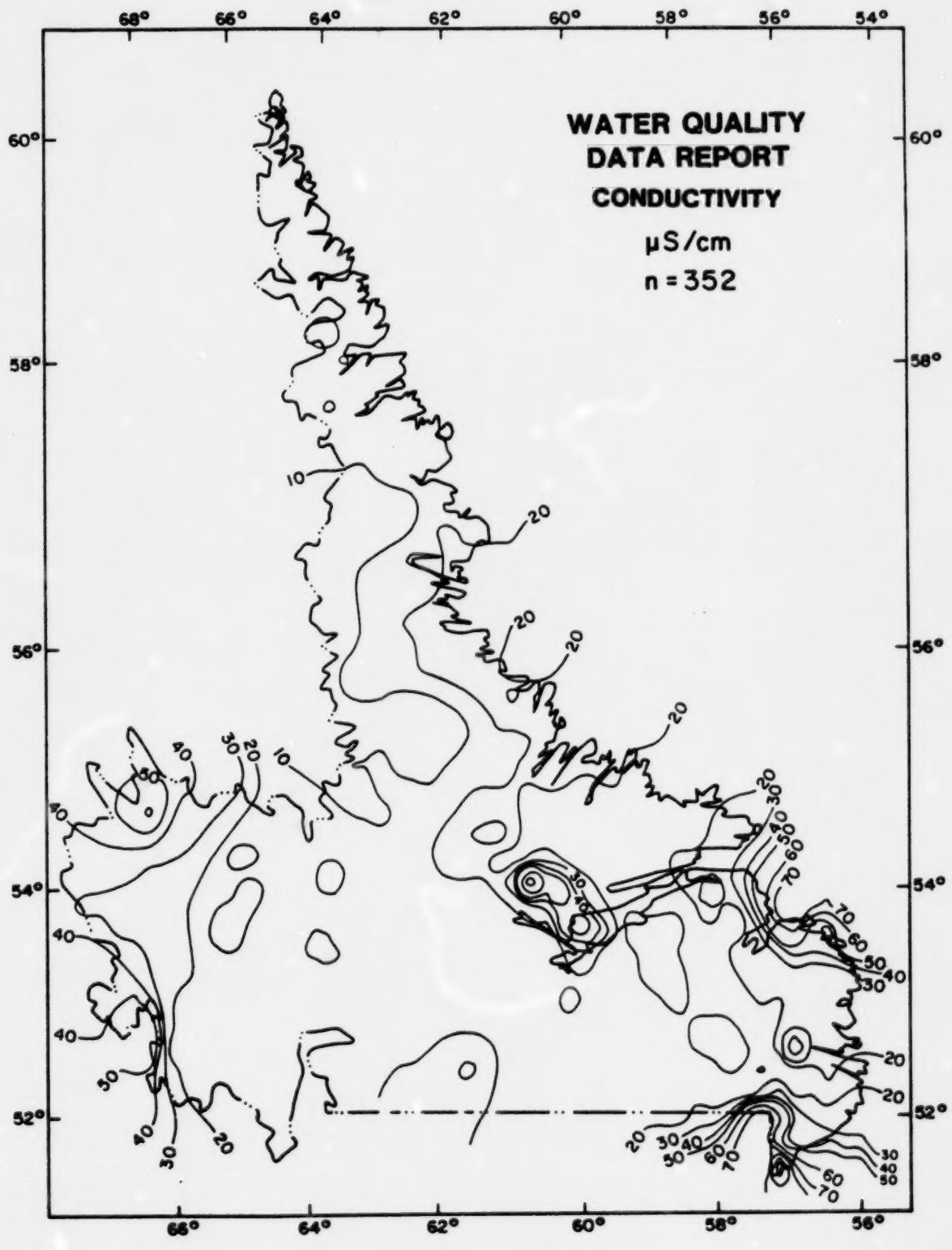

Fig. 18. Spatial distribution of conductivity values - Labrador.

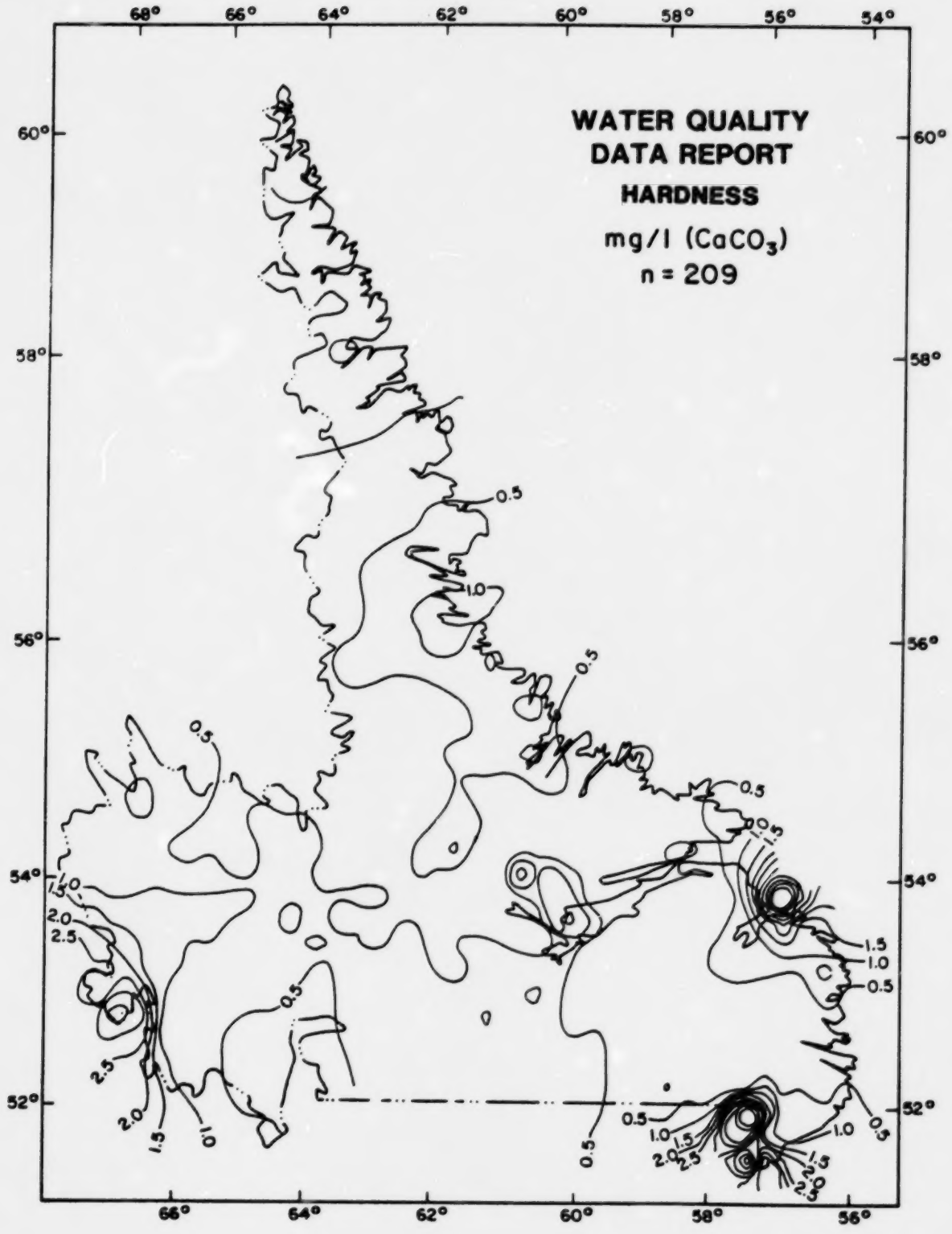

Fig. 19. Spatial distribution of hardness values - Labrador.

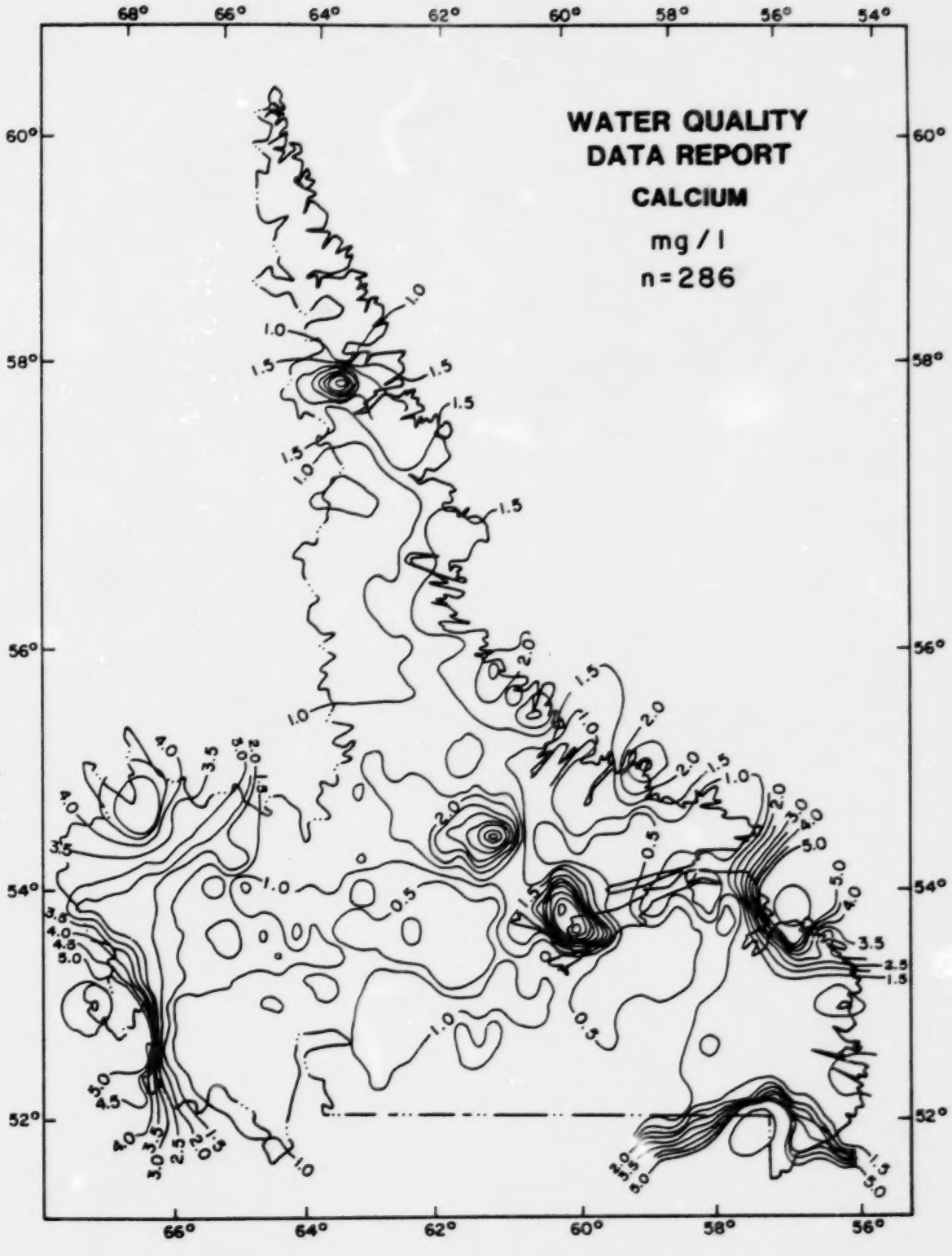

Fig. 20. Spatial distribution of calcium values - Labrador.

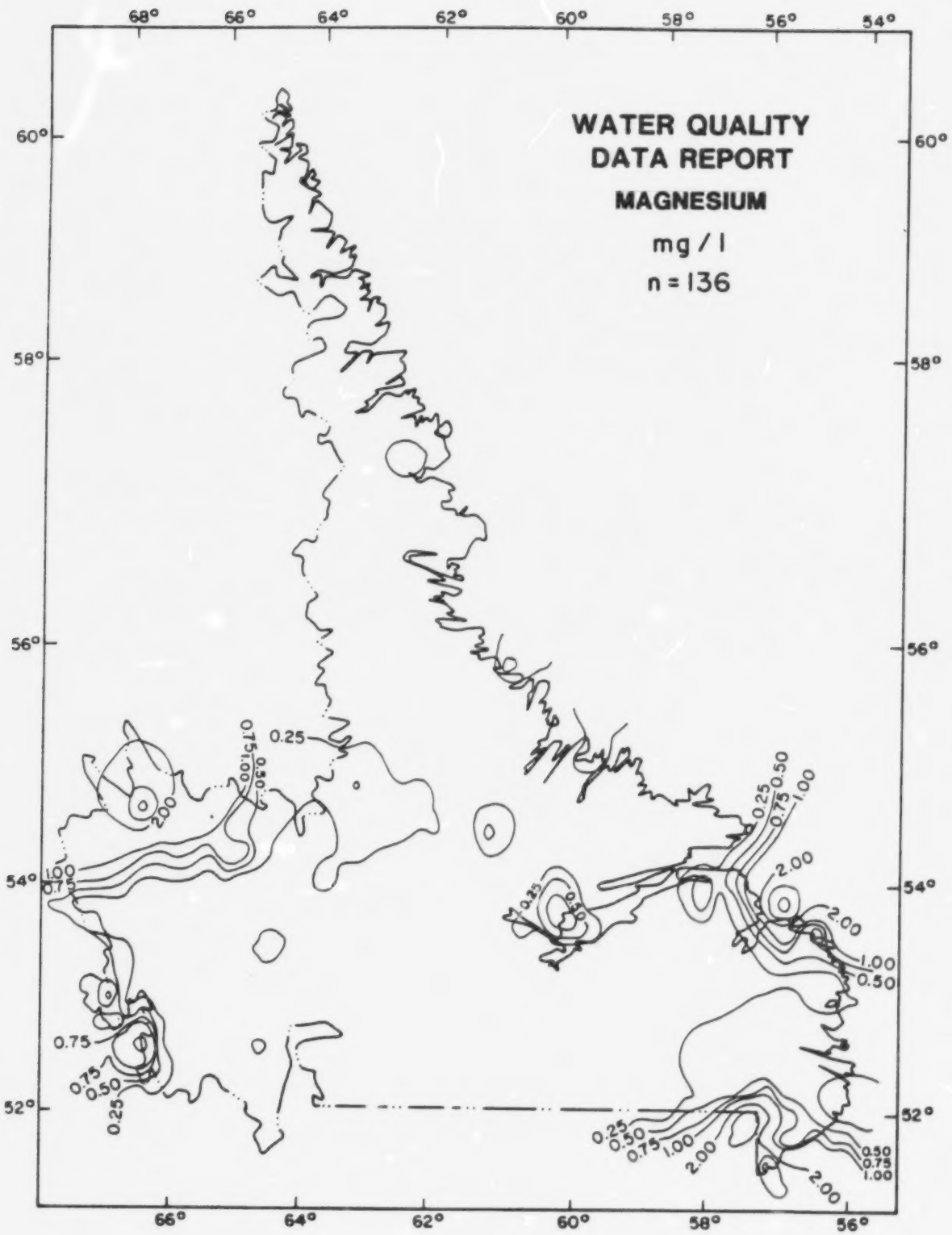

Fig. 21. Spatial distribution of magnesium values - Labrador.

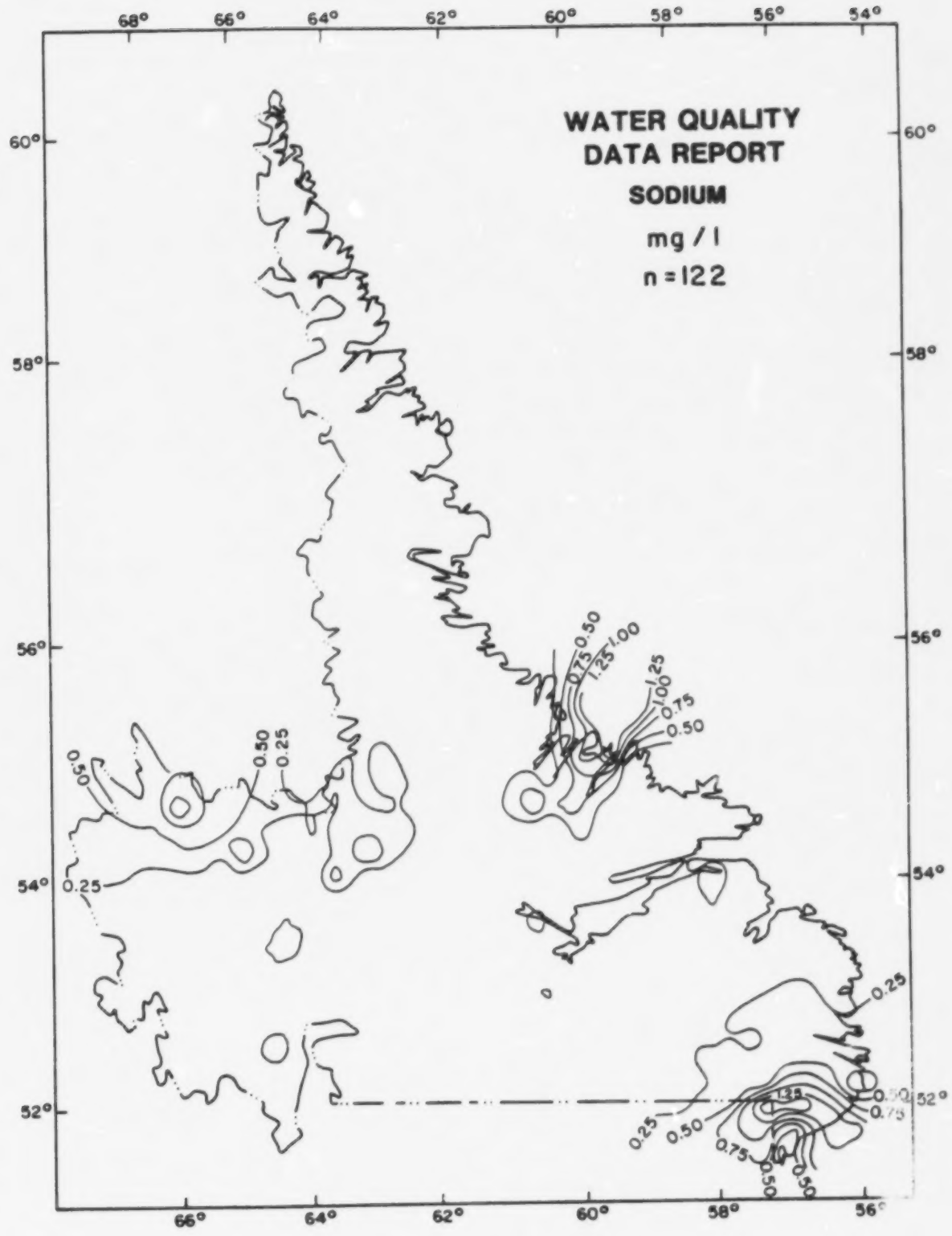

Fig. 22. Spatial distribution of sodium values - Labrador.

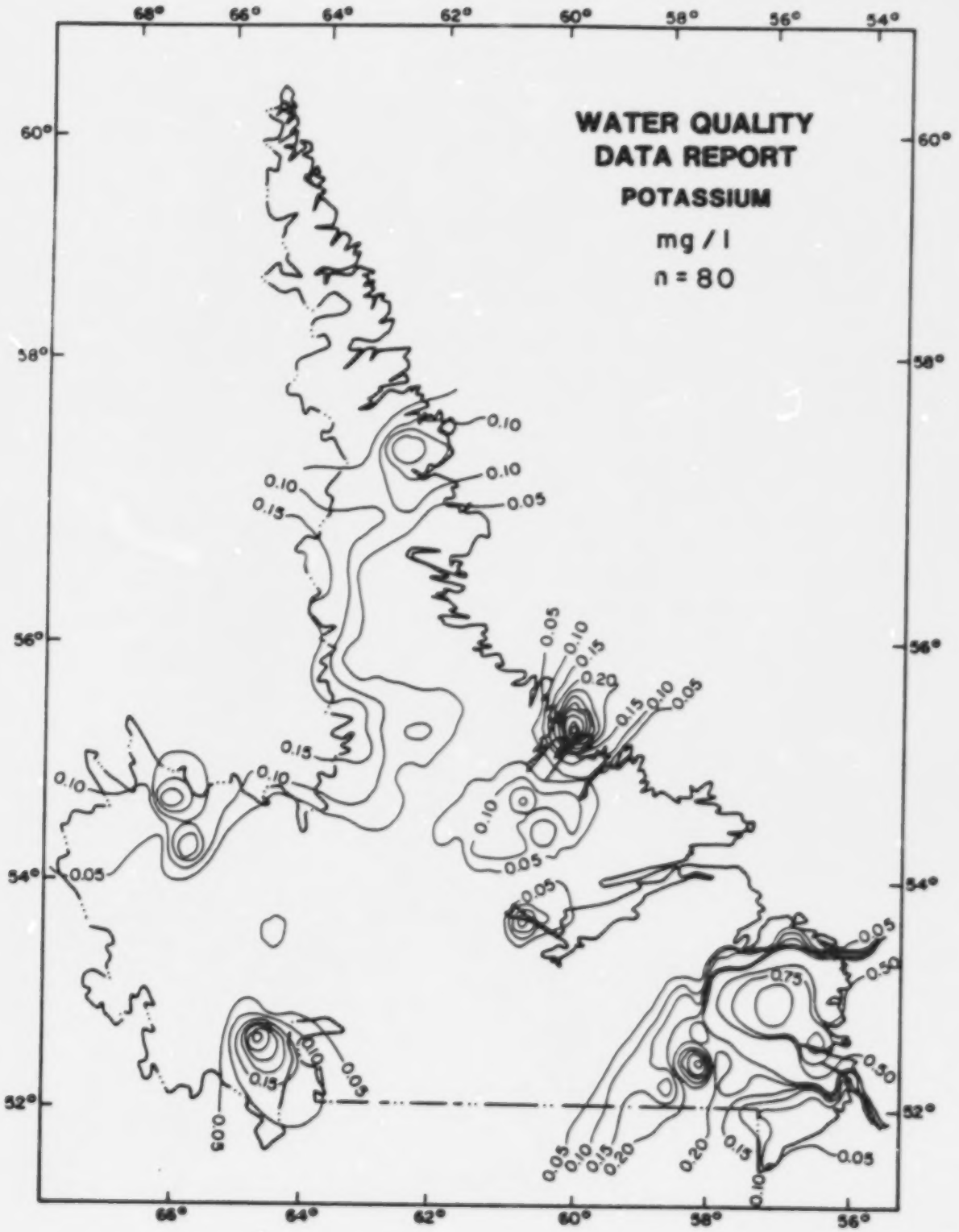

Fig. 23. Spatial distribution of potassium values - Labrador.

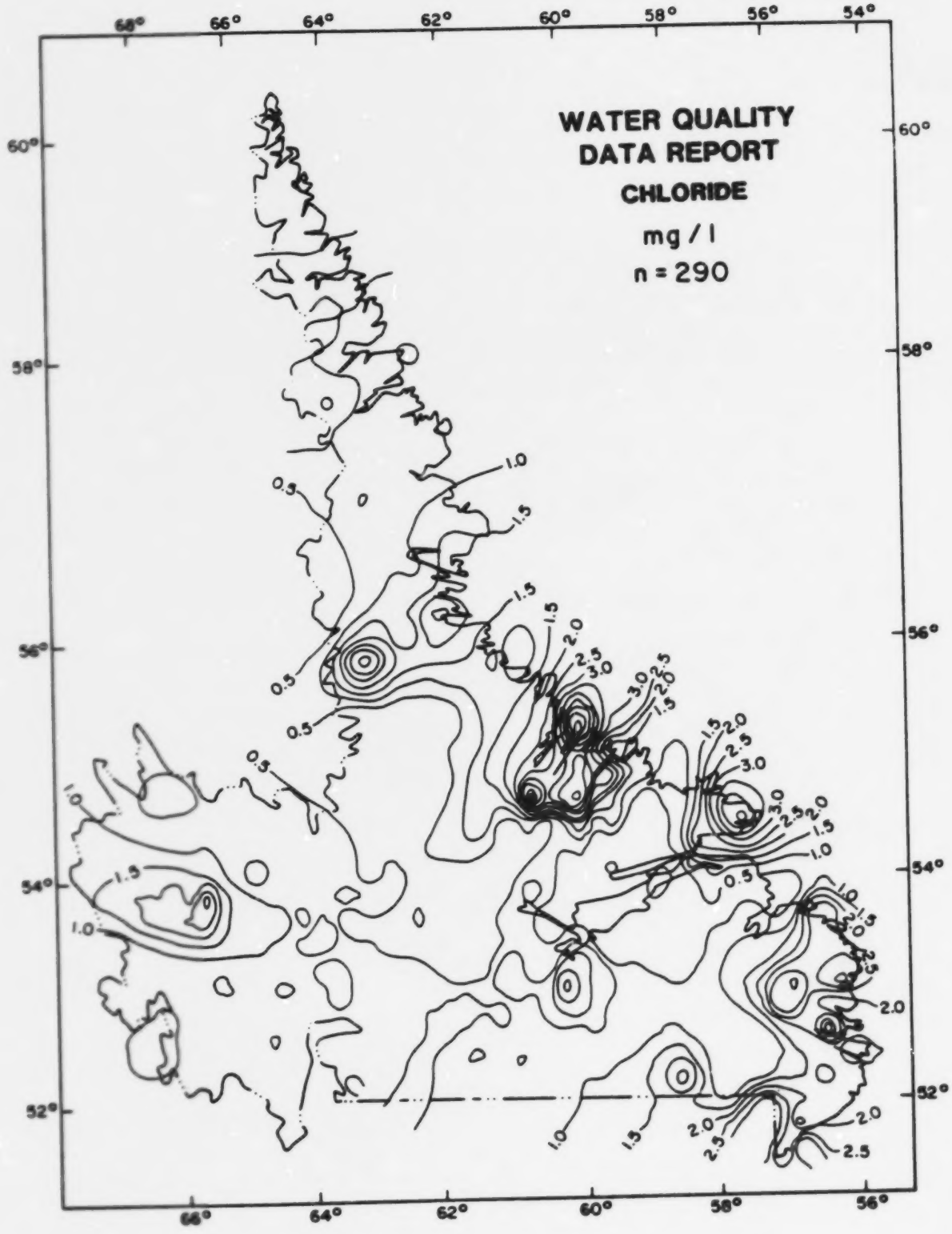

Fig. 24. Spatial distribution of chloride values - Labrador.

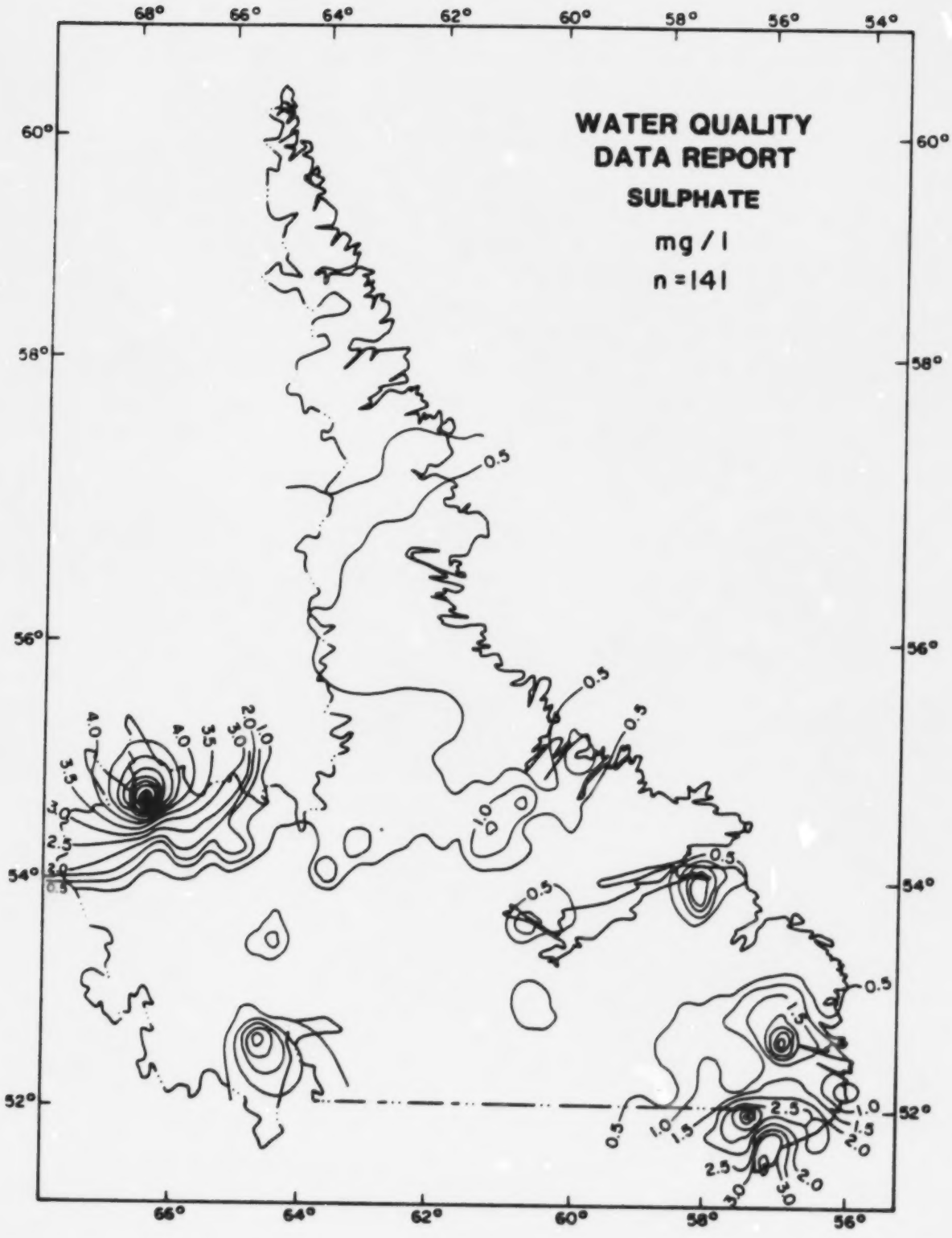

Fig. 25. Spatial distribution of sulphate values - Labrador.

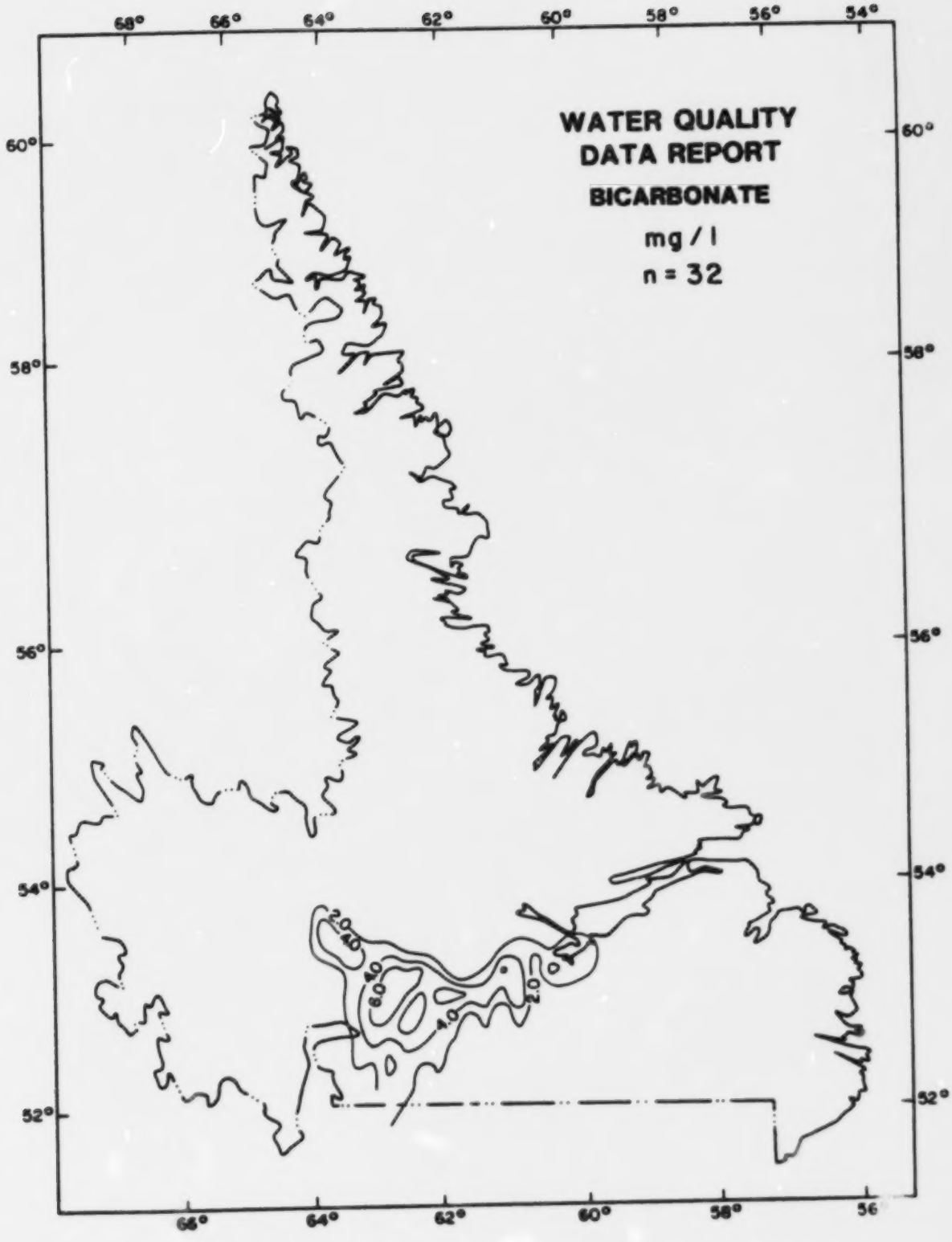

Fig. 26. Spatial distribution of bicarbonate values - Labrador.

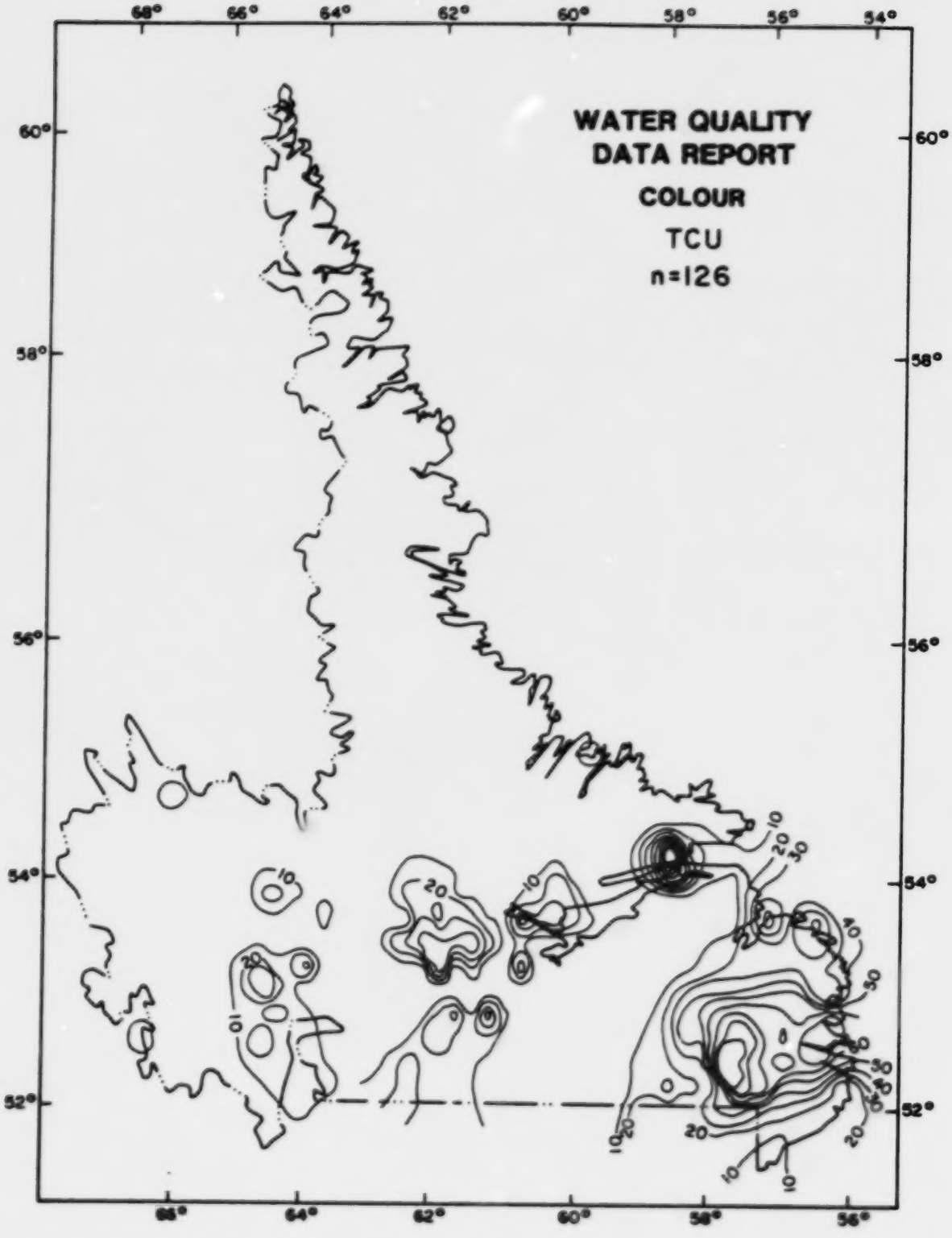

Fig. 27. Spatial distribution of colour values - Labrador.

APPENDIX 6: COMPARISON OF PARAMETER VALUES BETWEEN INSULAR NEWFOUNDLAND AND LABRADOR

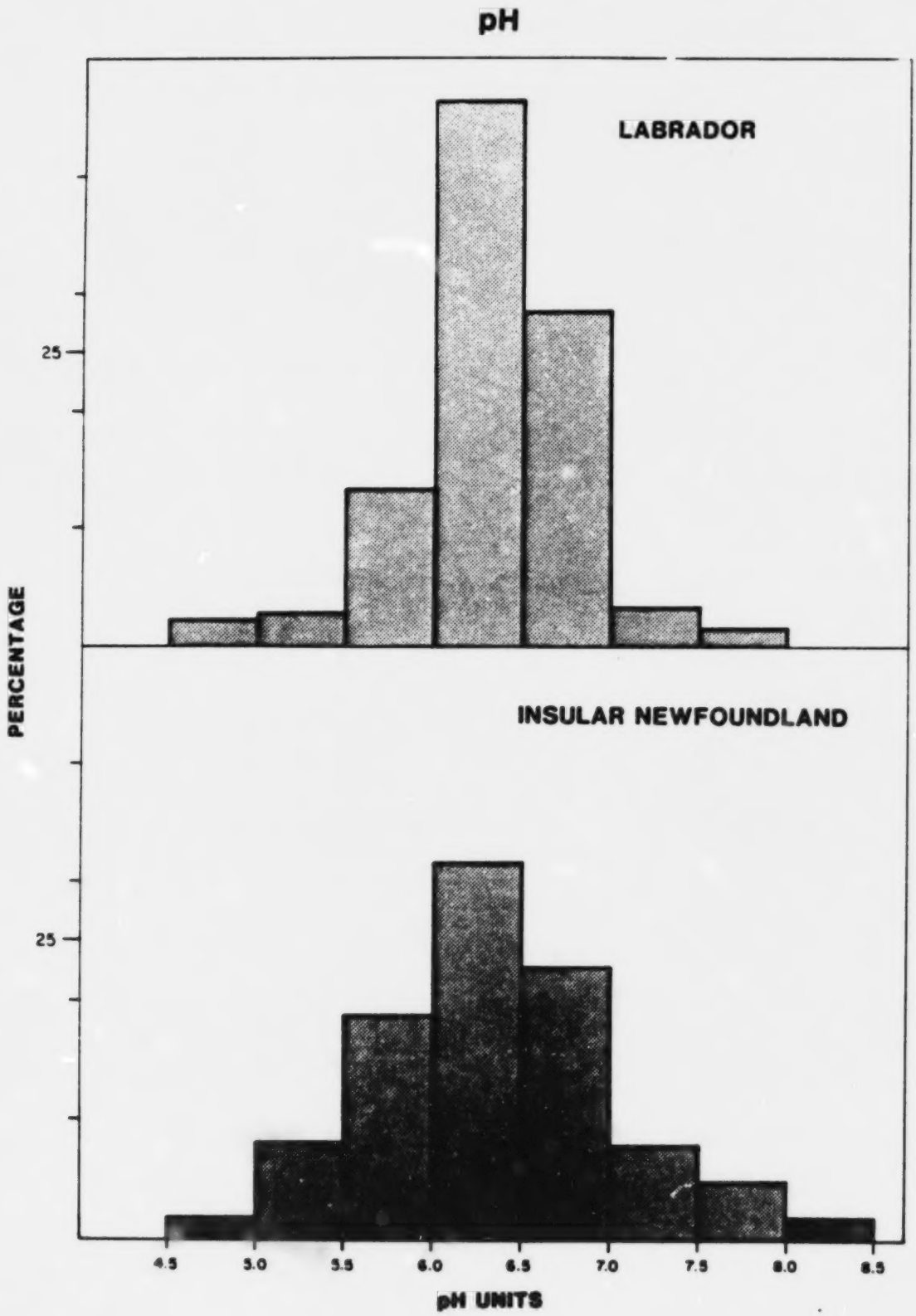

Fig. 1. Distribution of pH values in Insular Newfoundland and Labrador.

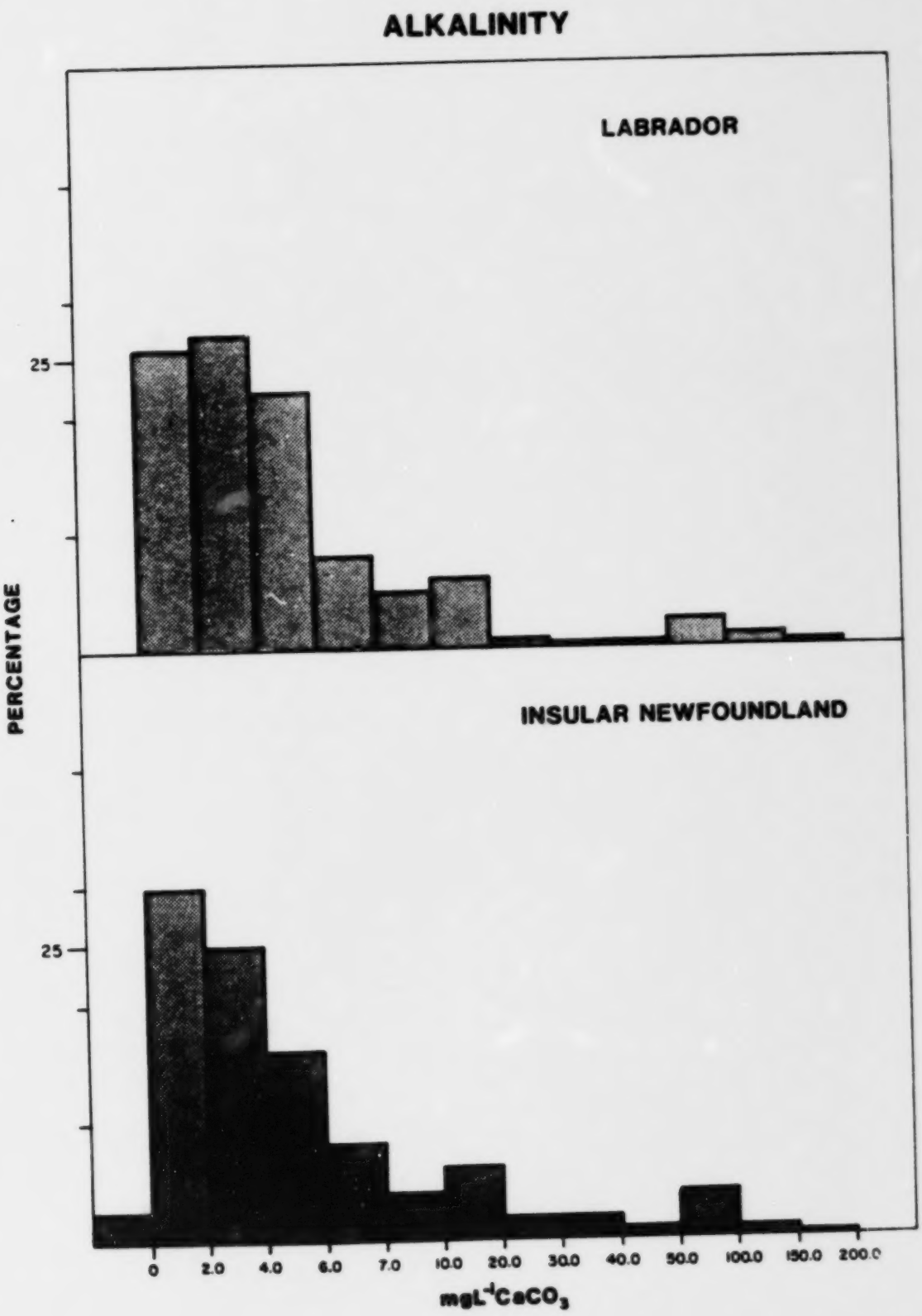

Fig. 2. Distribution of alkalinity values in Insular Newfoundland and Labrador.

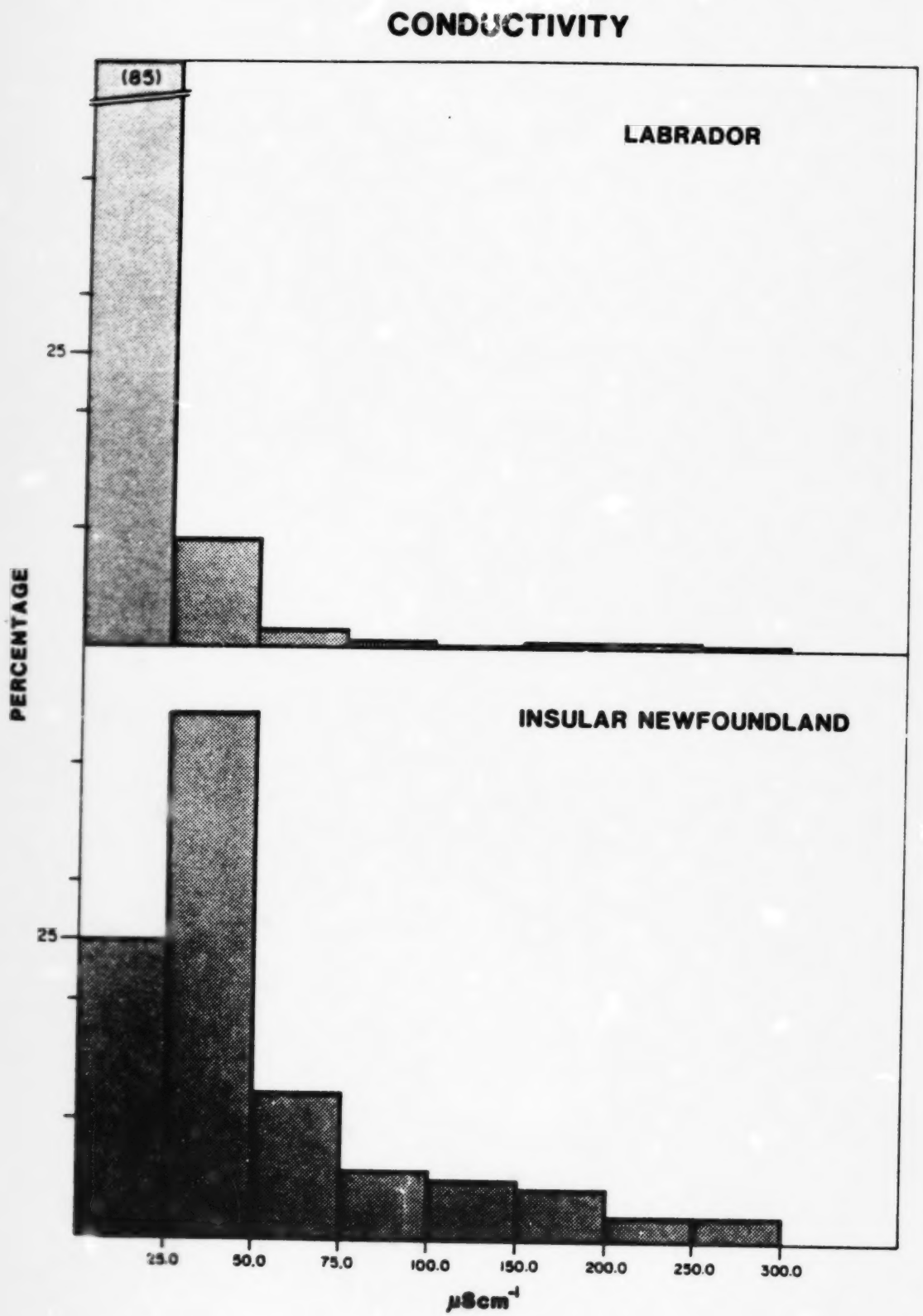

Fig. 3. Distribution of conductivity values in Insular Newfoundland and Labrador.

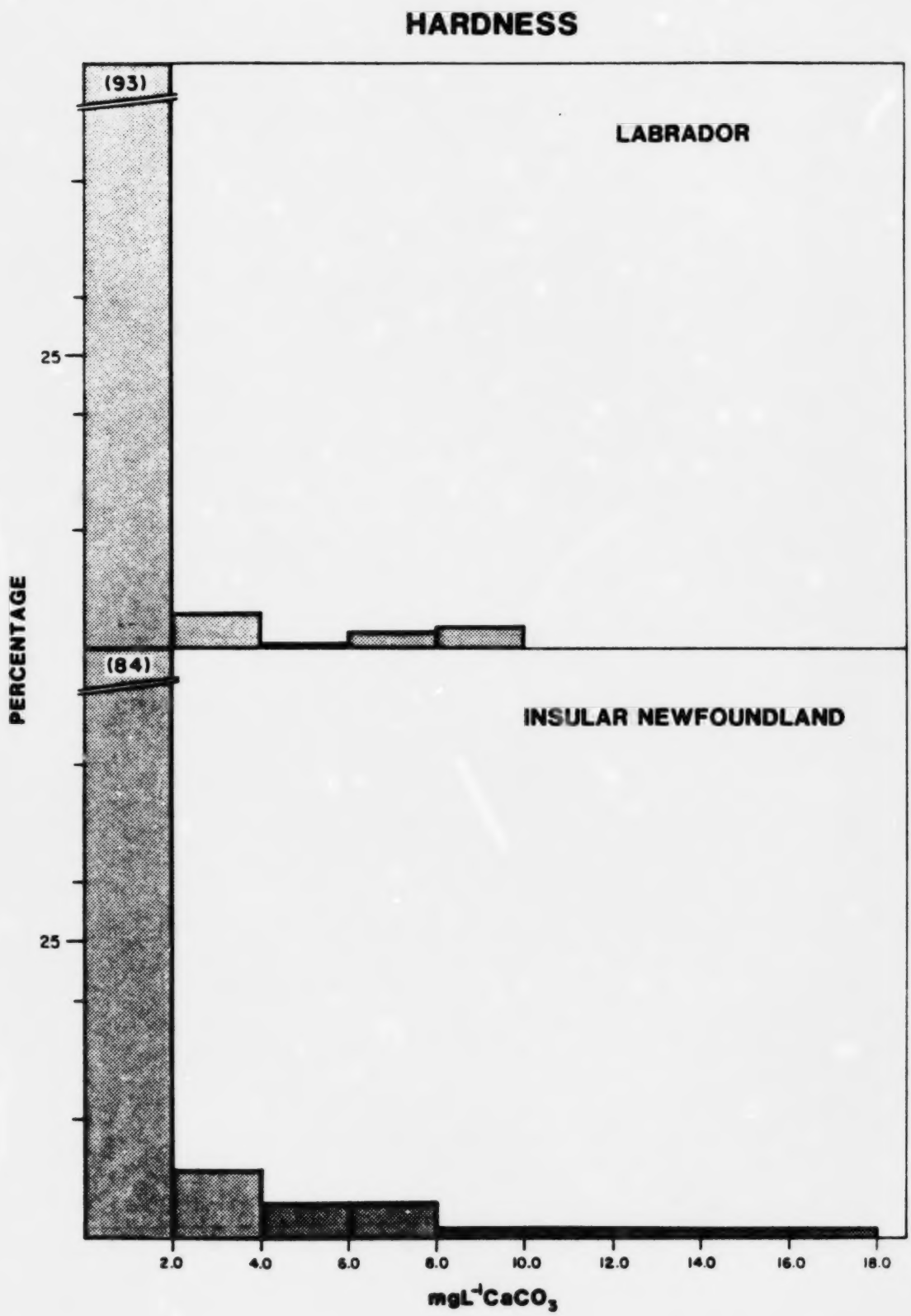

Fig. 4. Distribution of hardness values in Insular Newfoundland and Labrador.

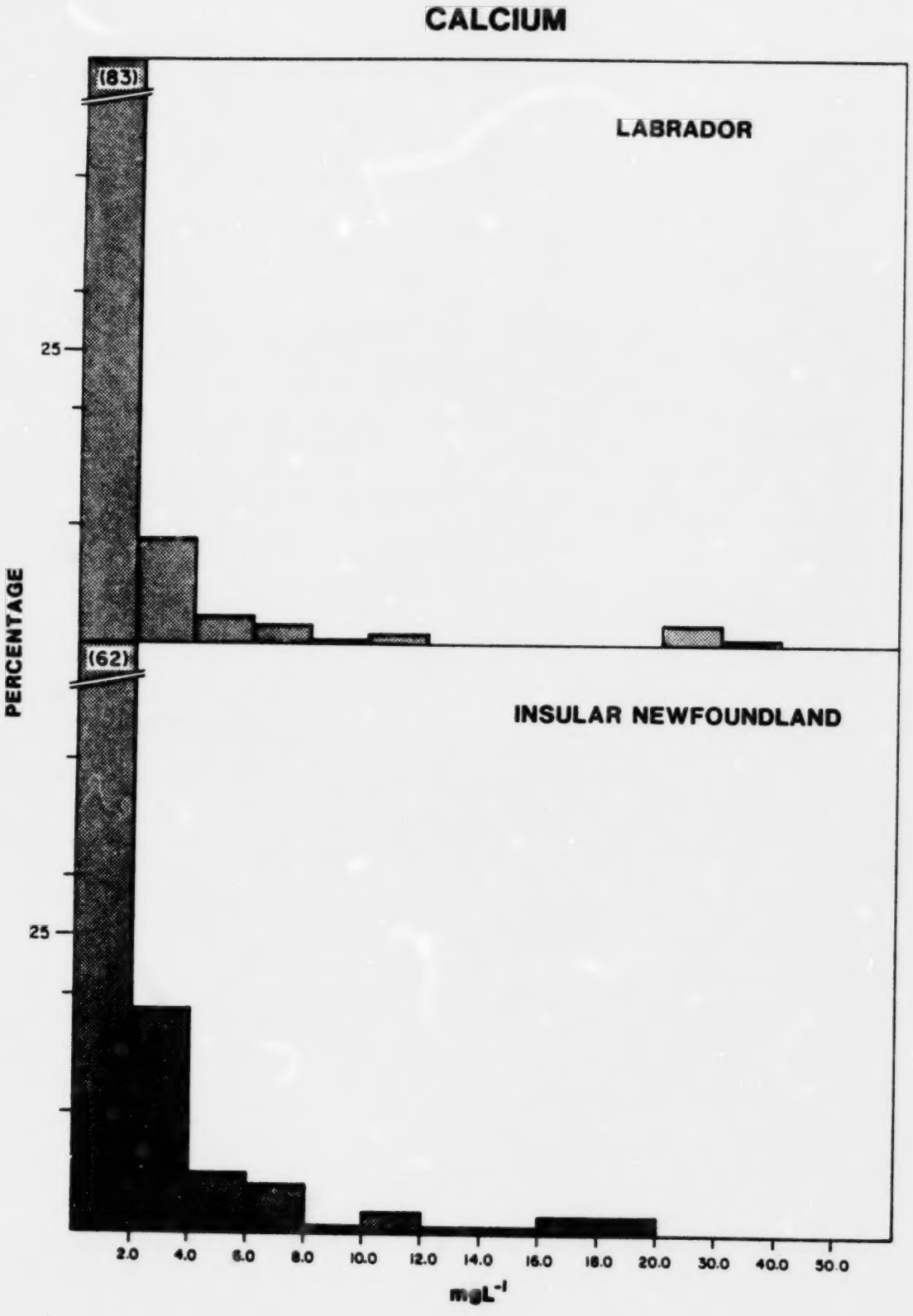

Fig. 5. Distribution of calcium values in Insular Newfoundland and Labrador.

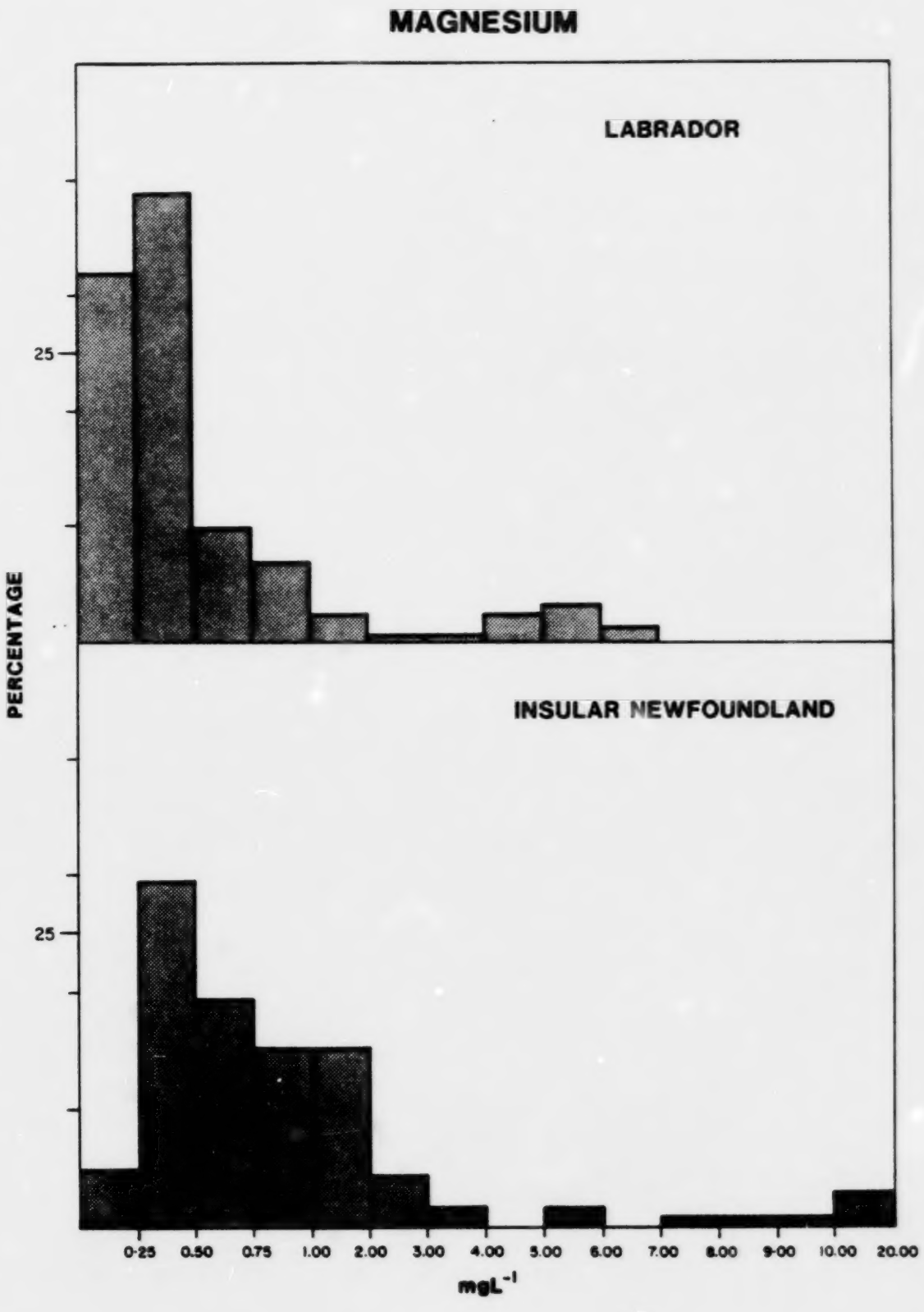

Fig. 6. Distribution of magnesium values in Insular Newfoundland and Labrador.

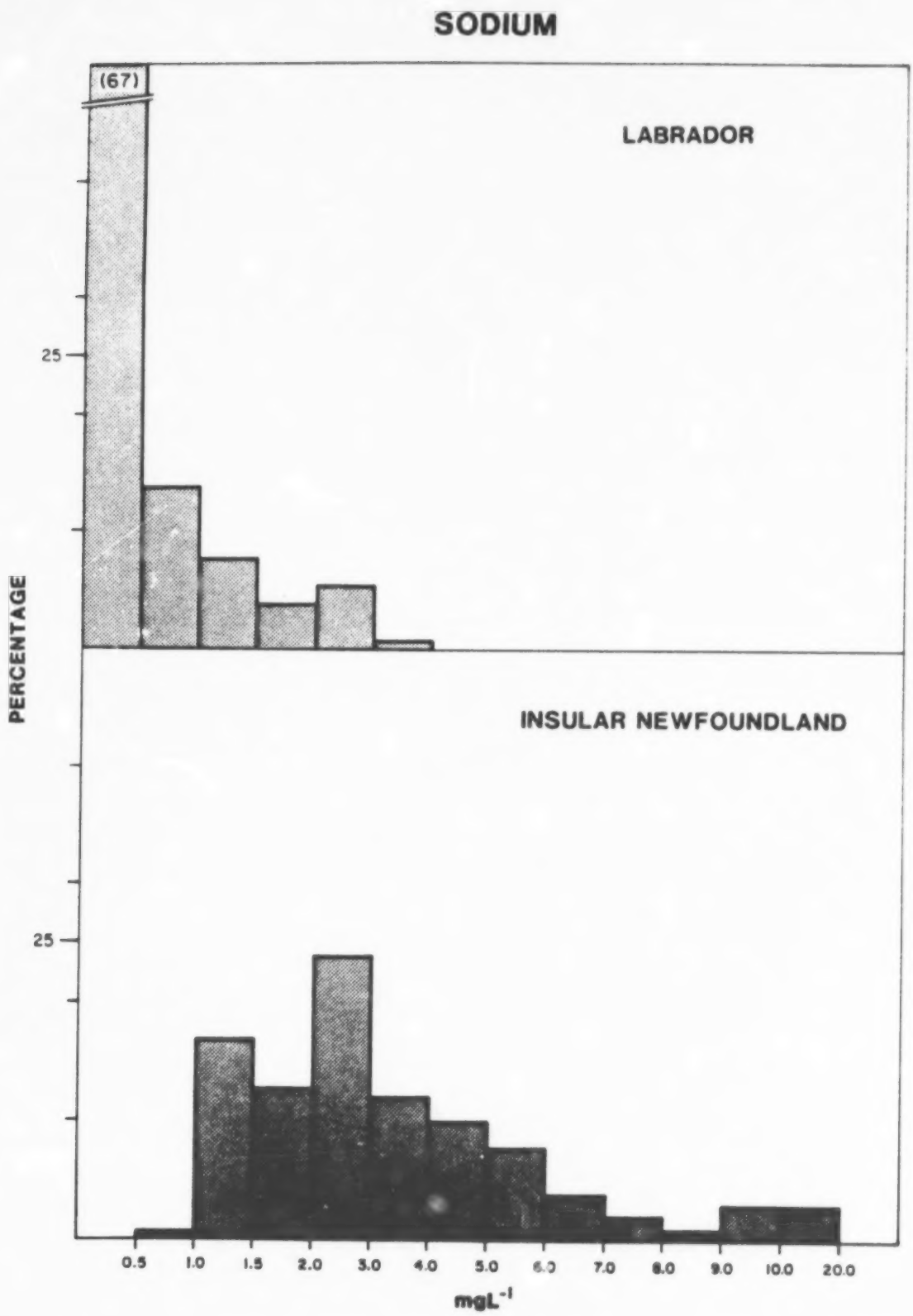

Fig. 7. Distribution of sodium values in Insular Newfoundland and Labrador.

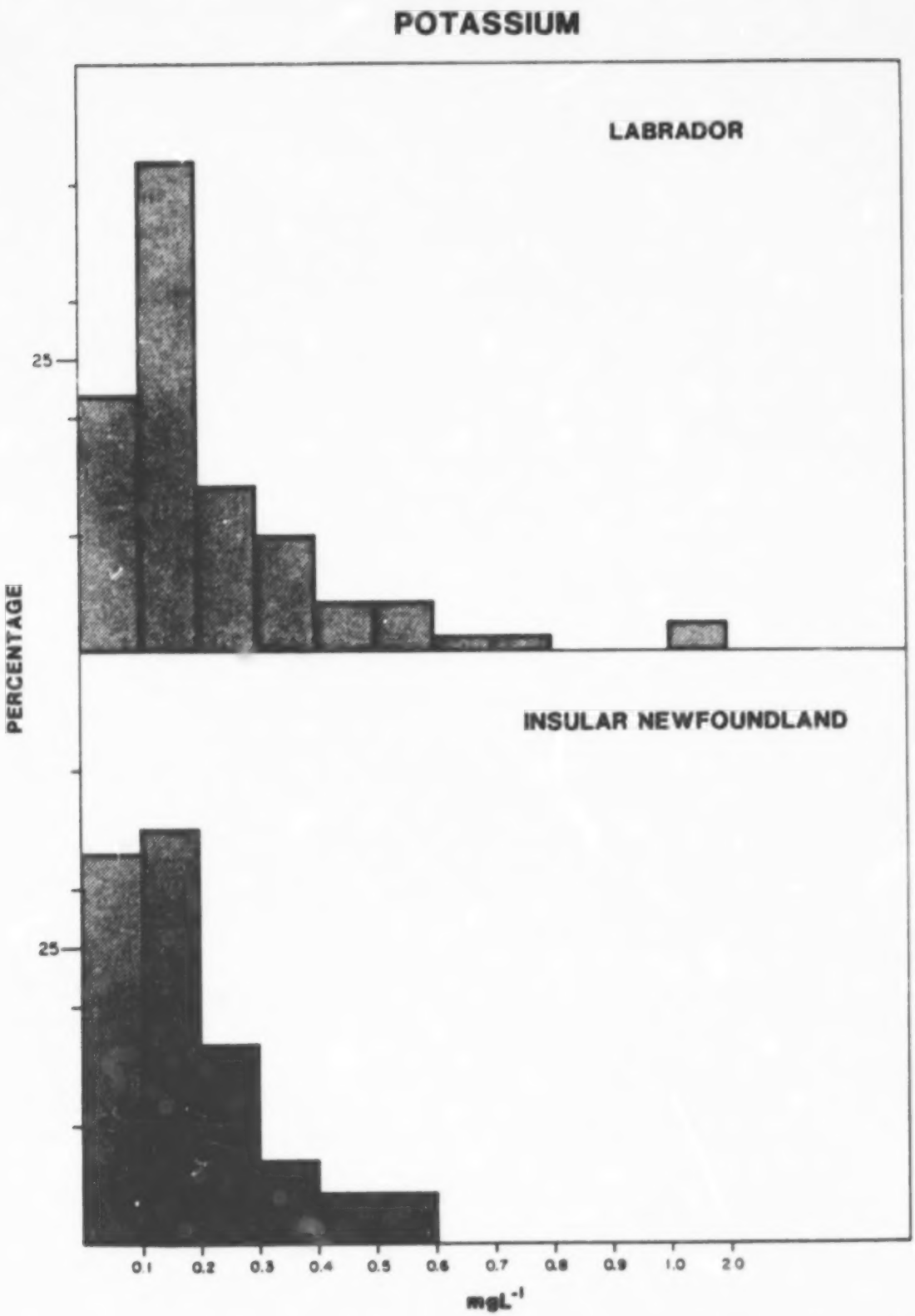

Fig. 8. Distribution of potassium values in Insular Newfoundland and Labrador.

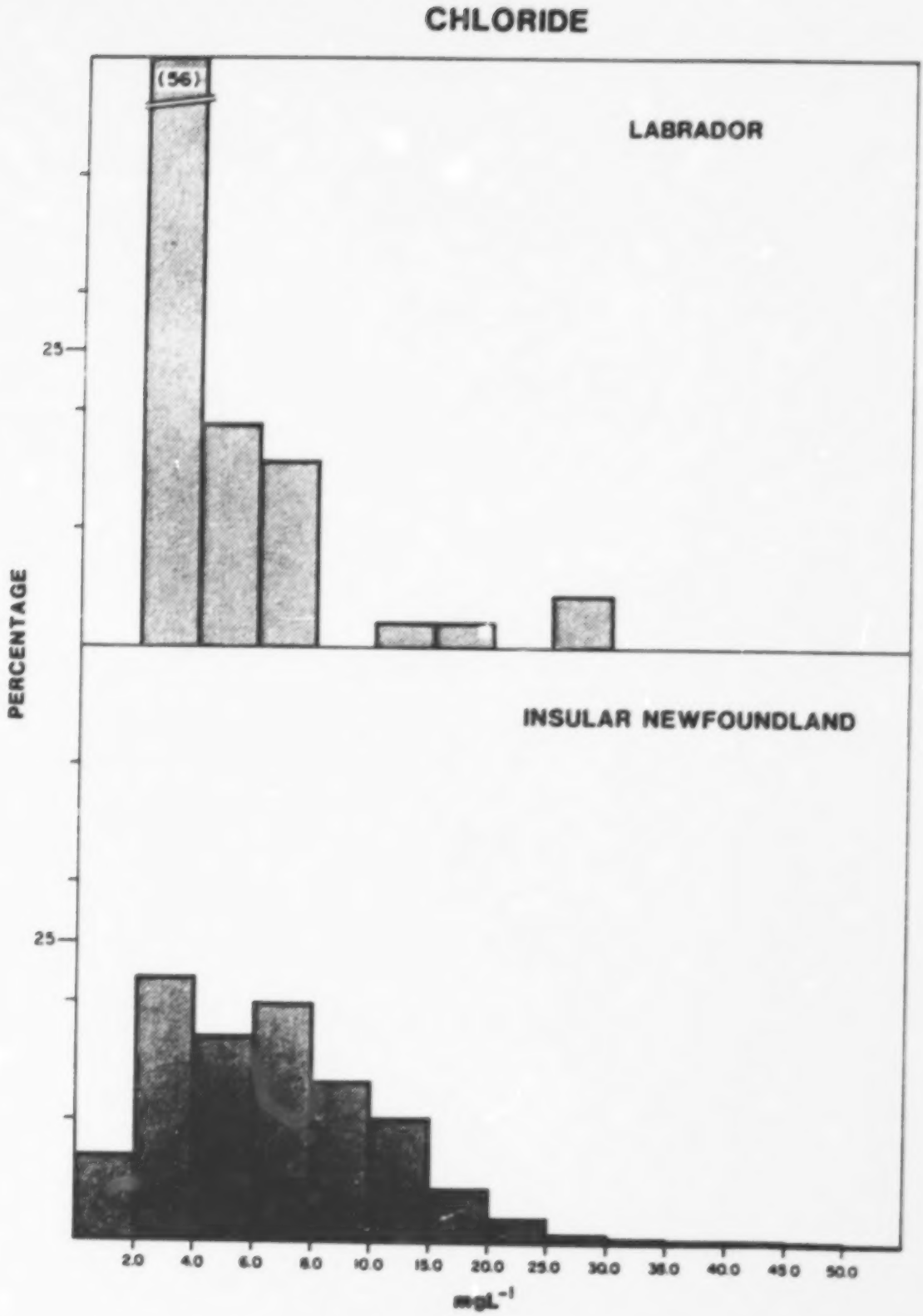

Fig. 9. Distribution of chloride values in Insular Newfoundland and Labrador.

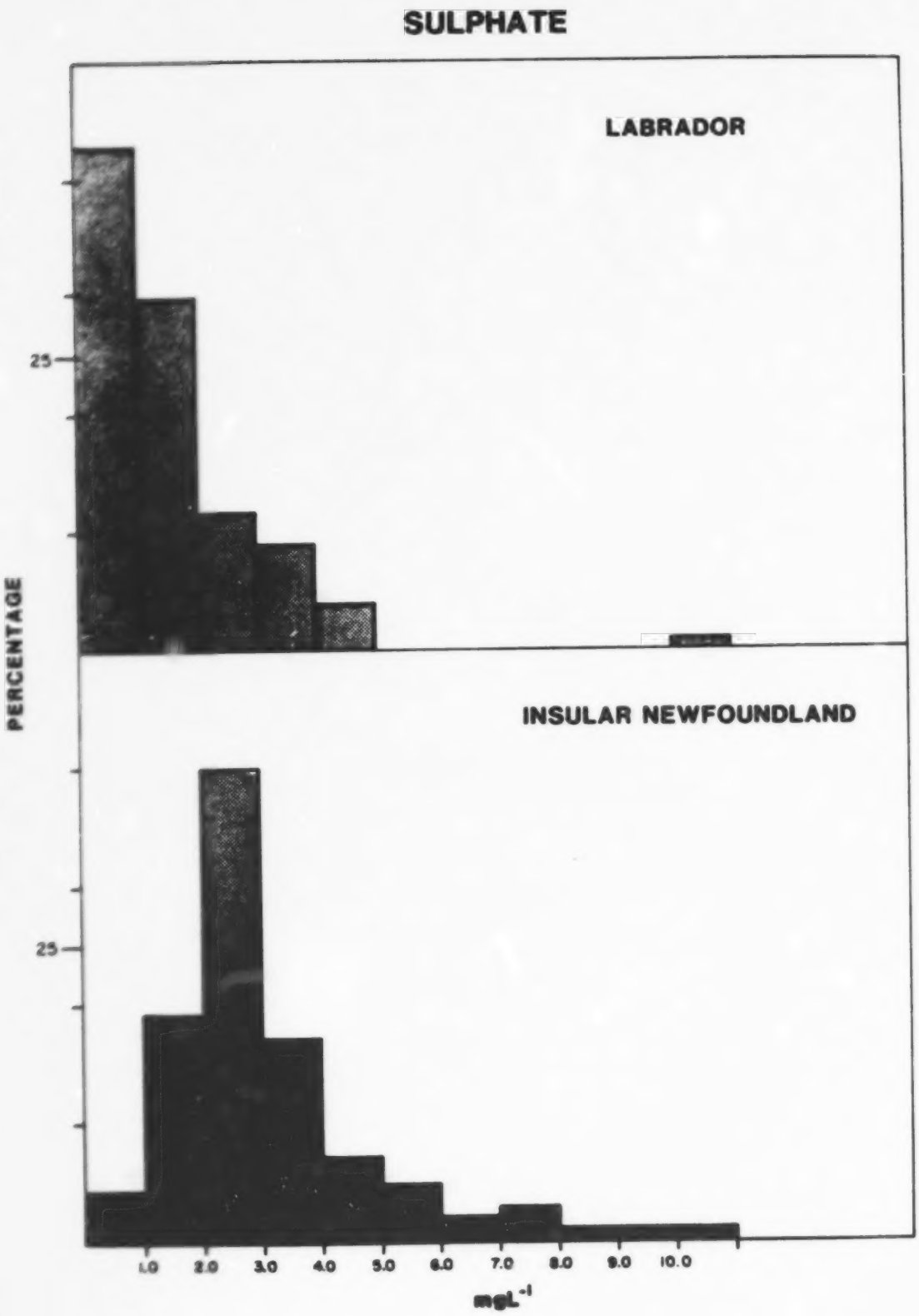

Fig. 10. Distribution of sulphate values in Insular Newfoundland and Labrador.

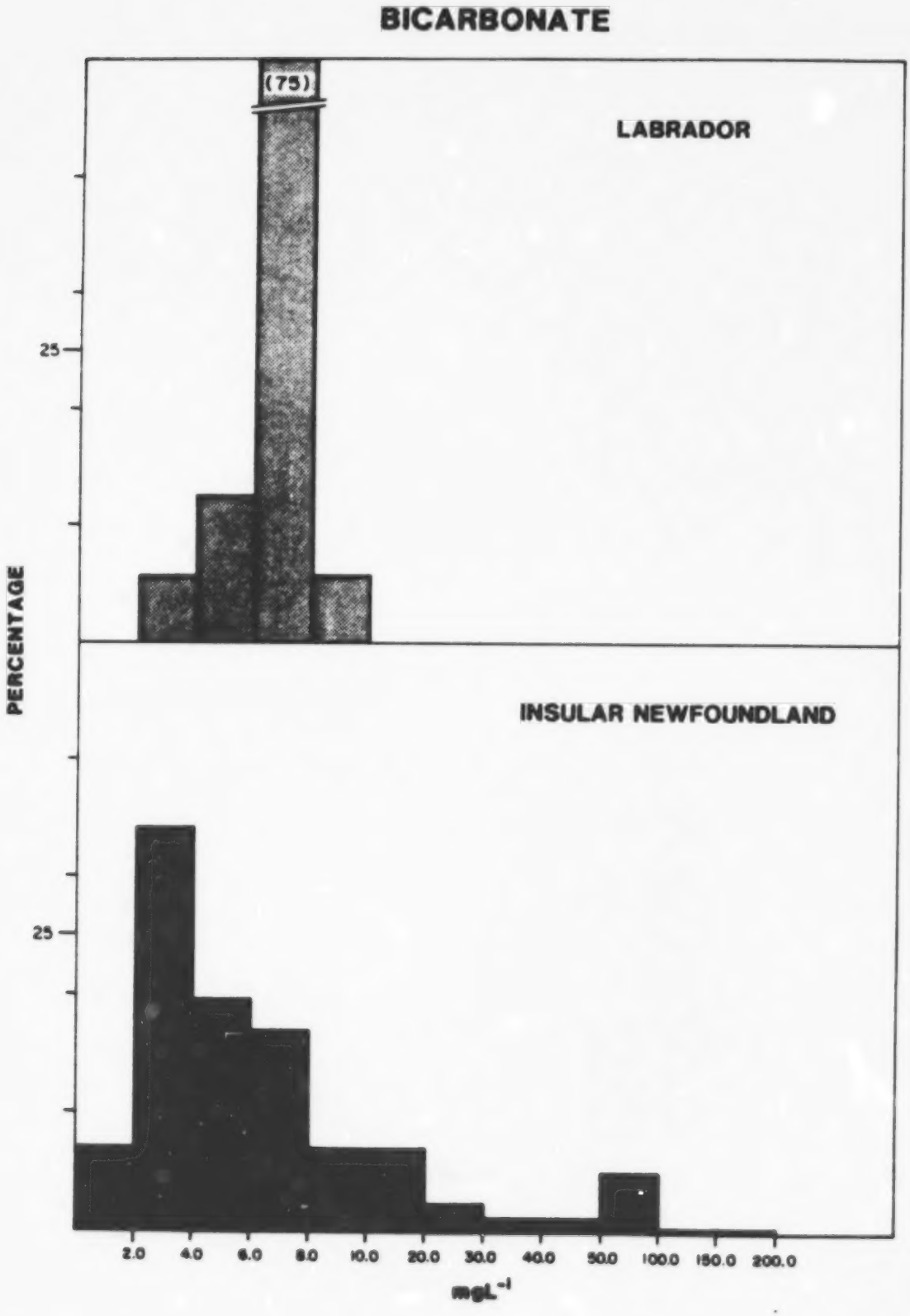

Fig. 11. Distribution of bicarbonate values in Insular Newfoundland and Labrador.

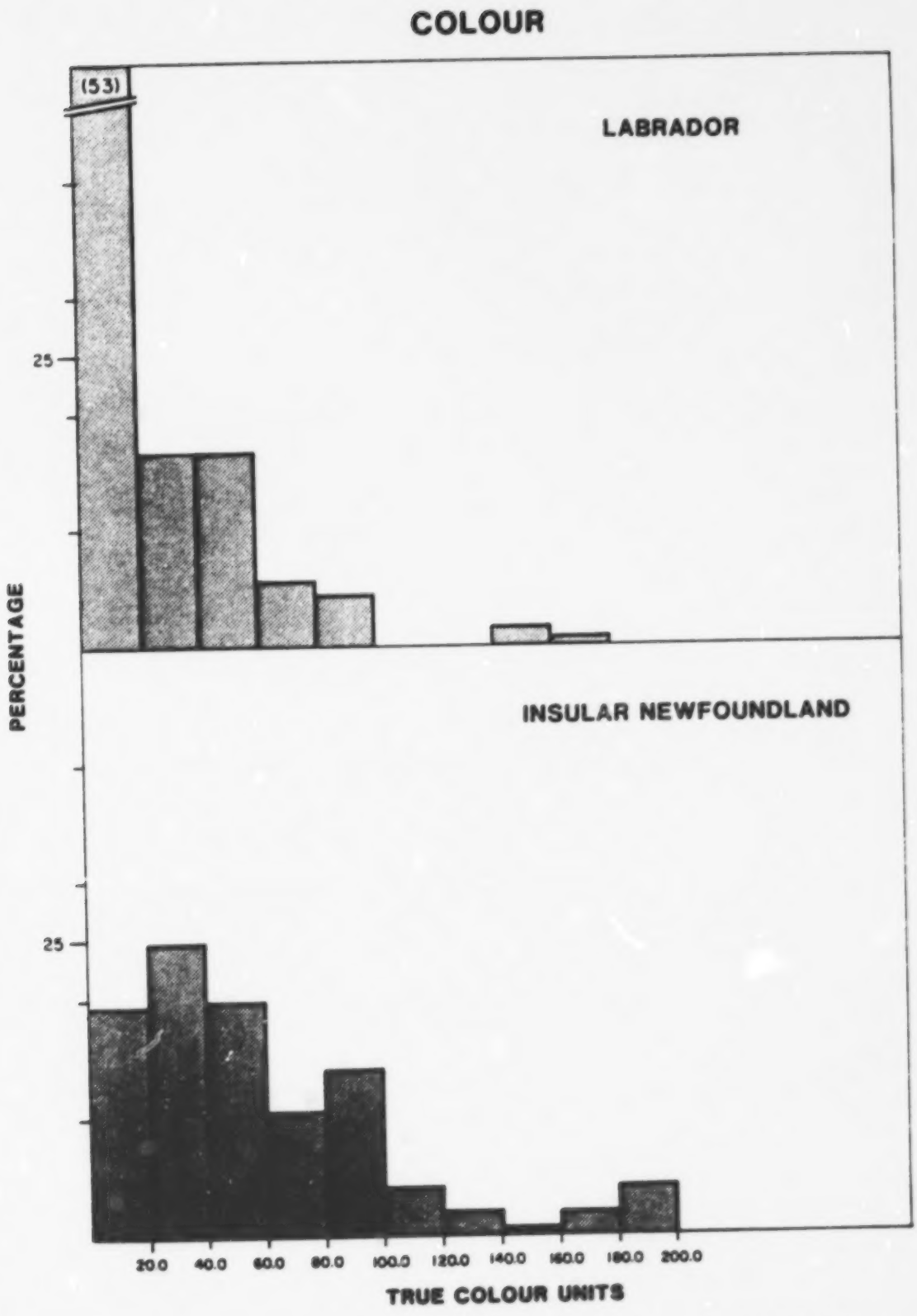

Fig. 12. Distribution of colour values in Insular Newfoundland and Labrador.

APPENDIX 7: DISTRIBUTION OF VALUES FOR FOUR KEY PARAMETERS (pH, ALKALINITY, CONDUCTIVITY, AND HARDNESS) BY GEOGRAPHICAL REGION

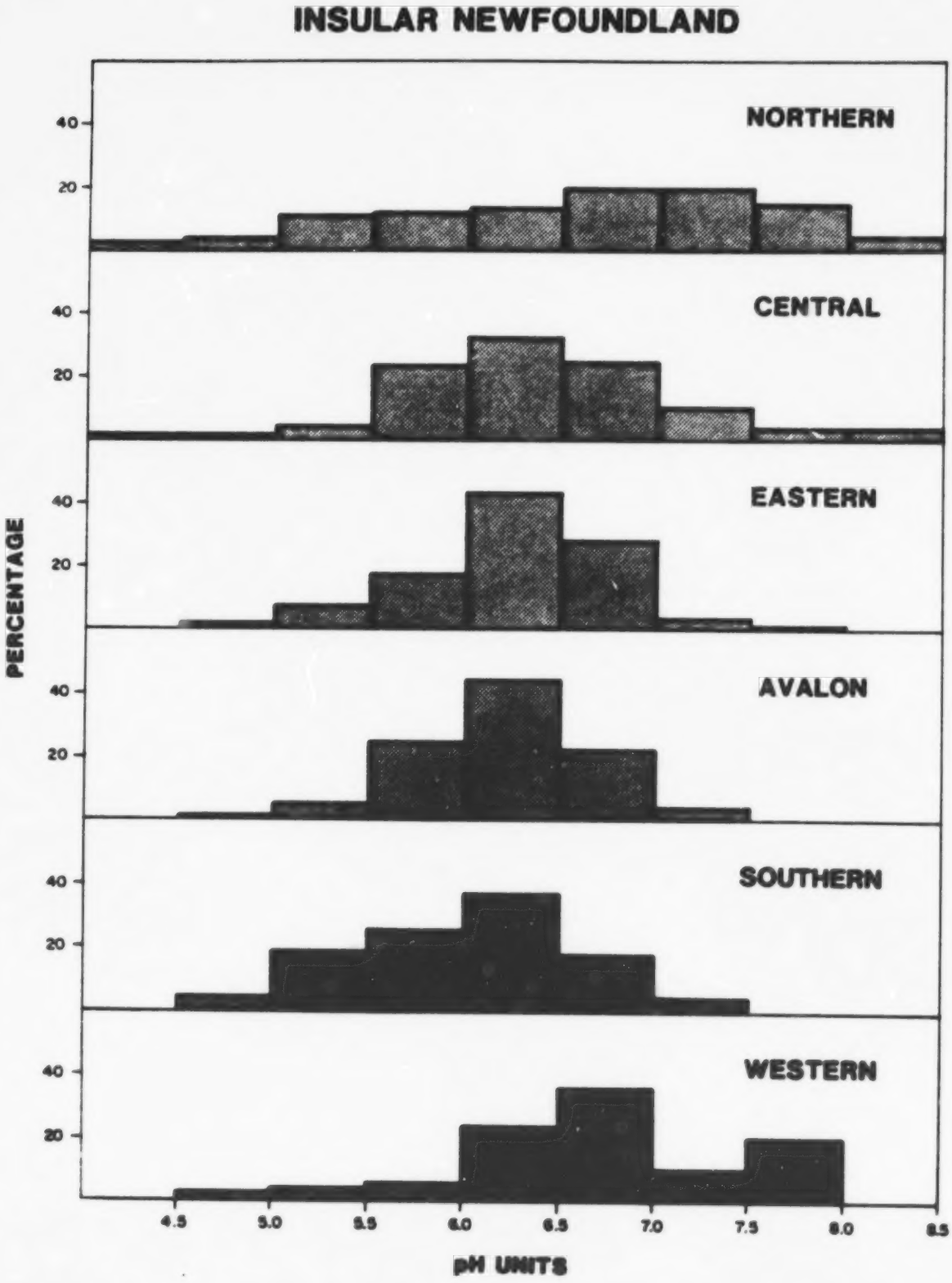

Fig. 1. Distribution of pH values by Region - Insular Newfoundland.

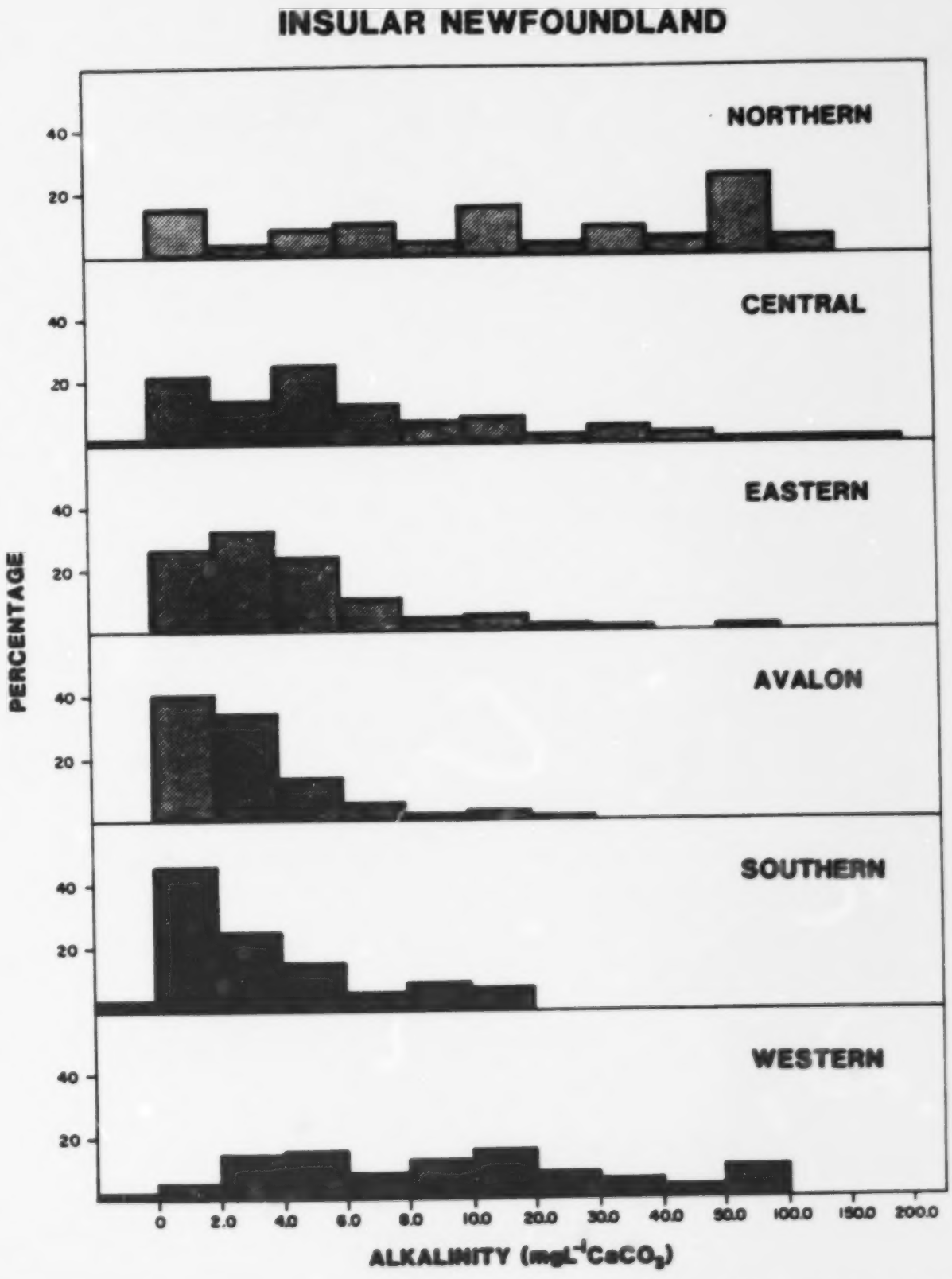

Fig. 2. Distribution of alkalinity values by Region - Insular Newfoundland.

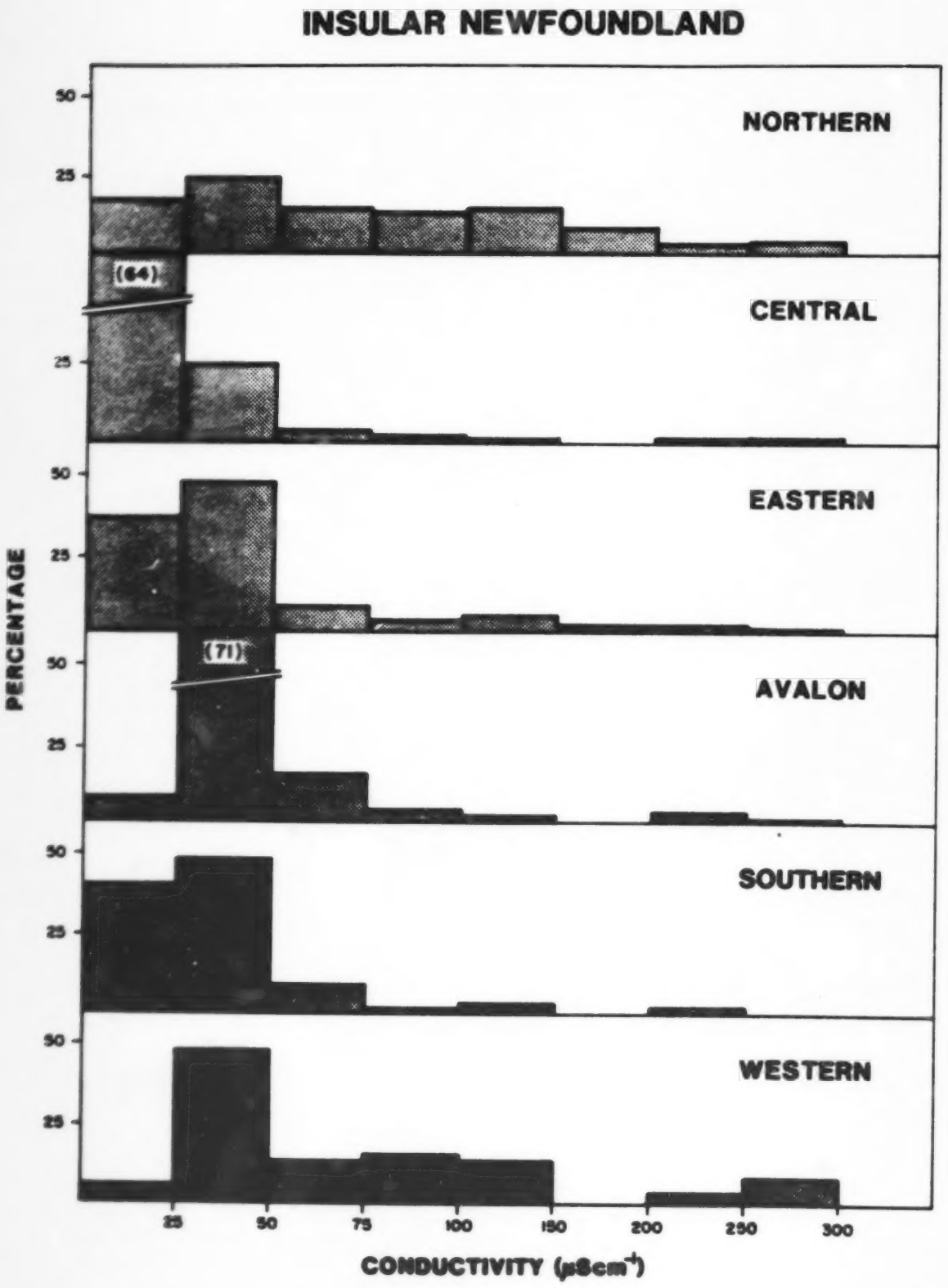

Fig. 3. Distribution of conductivity values by Region - Insular Newfoundland.

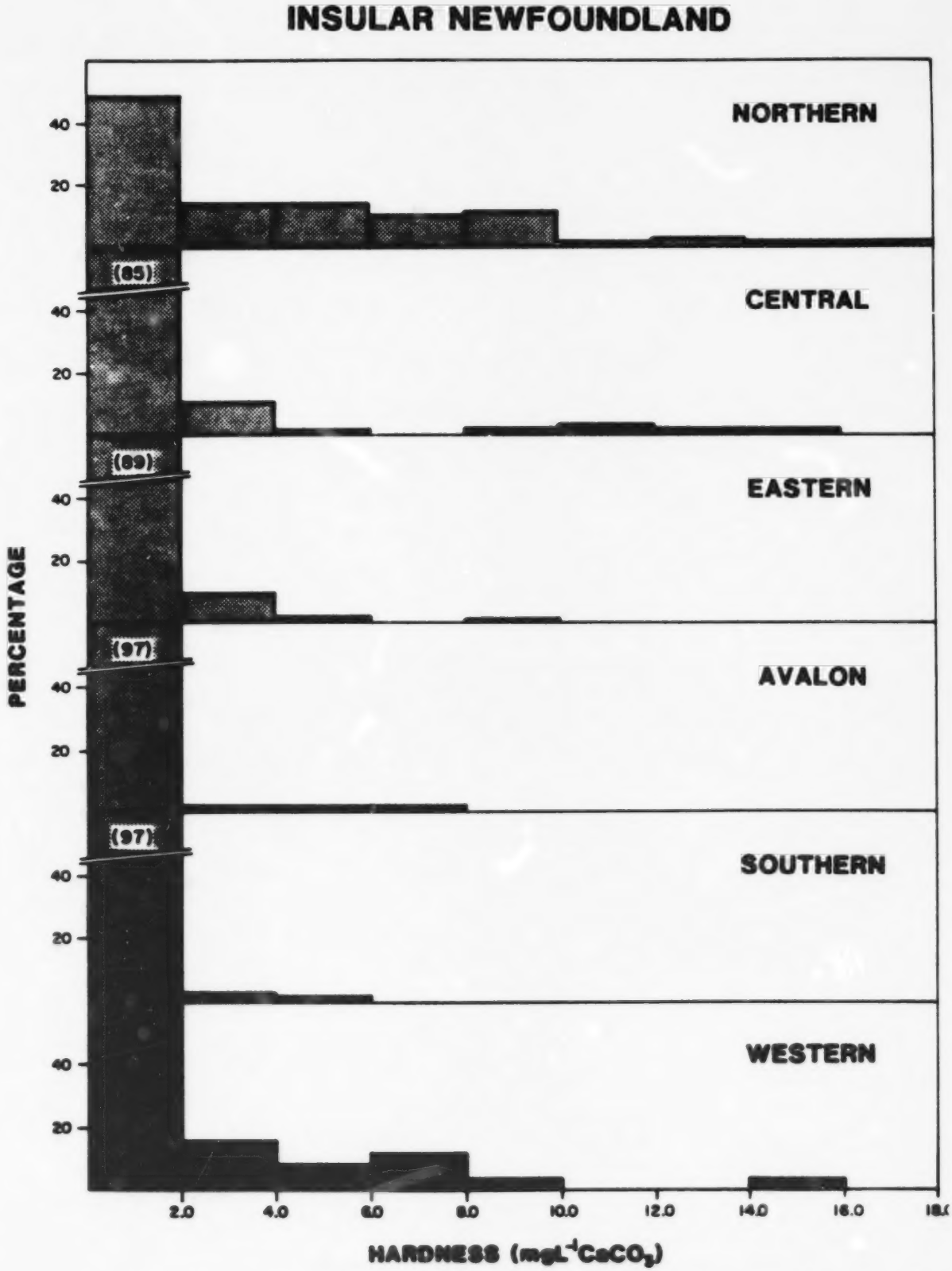

Fig. 4. Distribution of hardness values by Region - Insular Newfoundland.

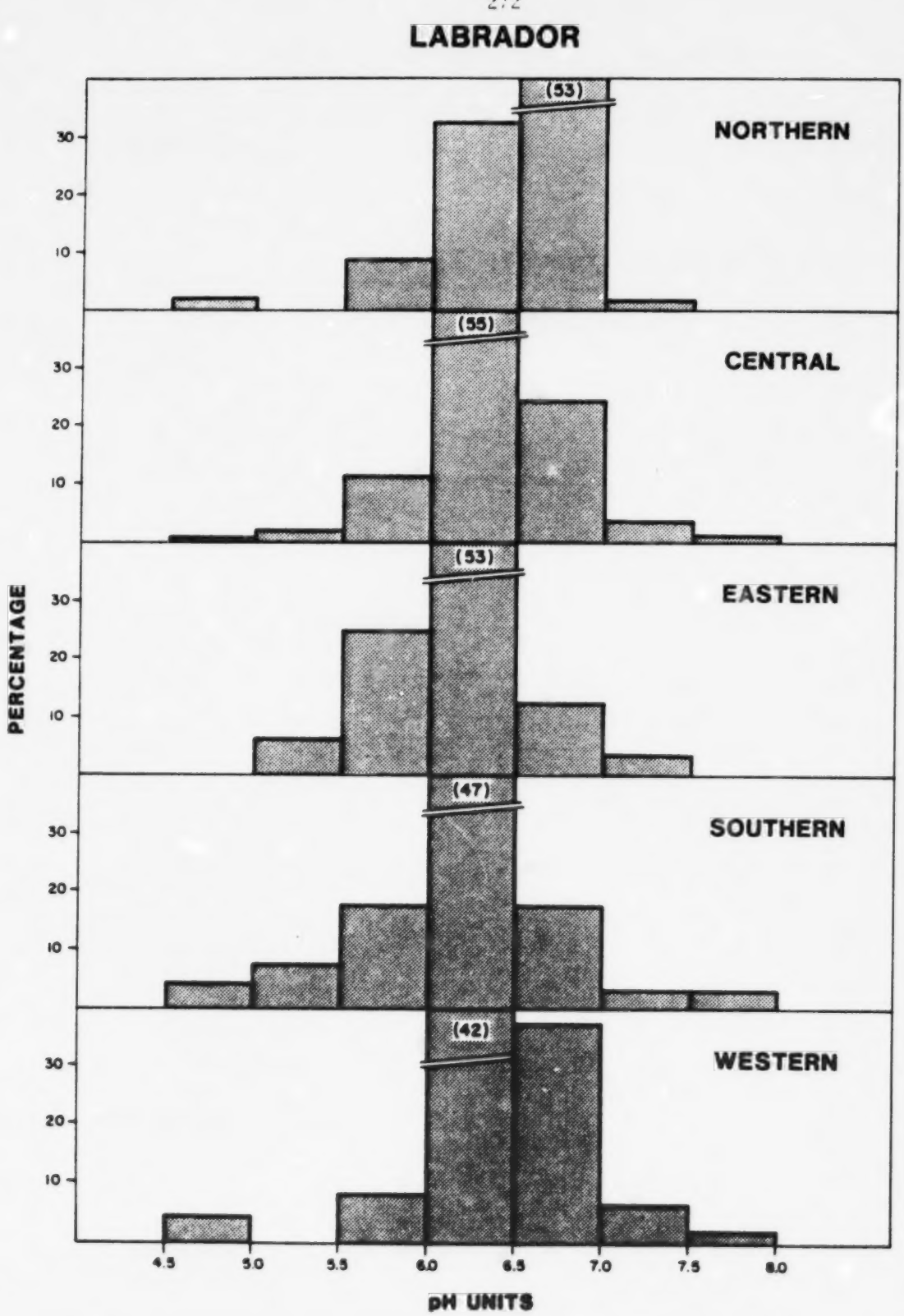

Fig. 5. Distribution of pH values by Region - Labrador.

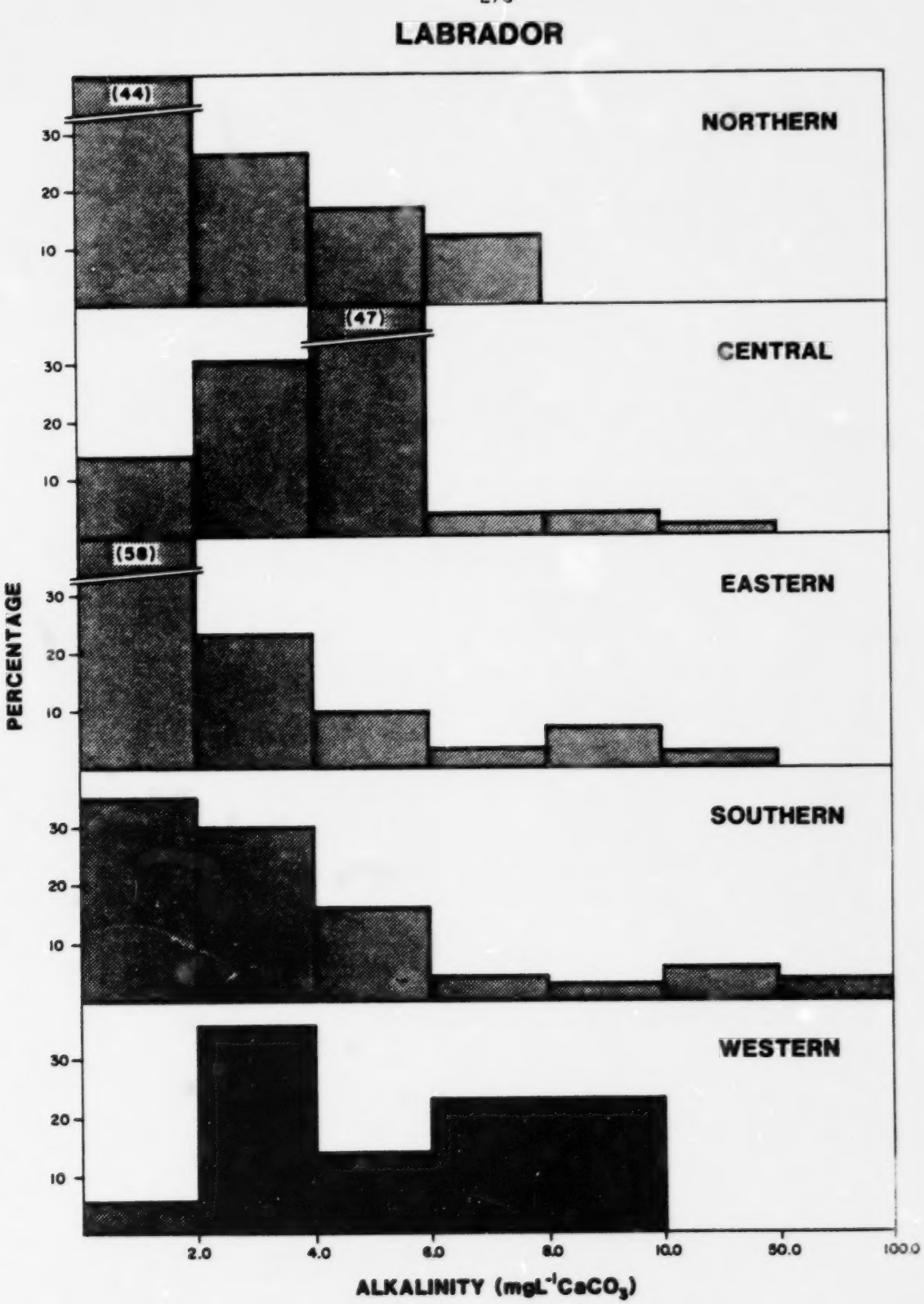

Fig. 6. Distribution of alkalinity values by Region - Labrador.

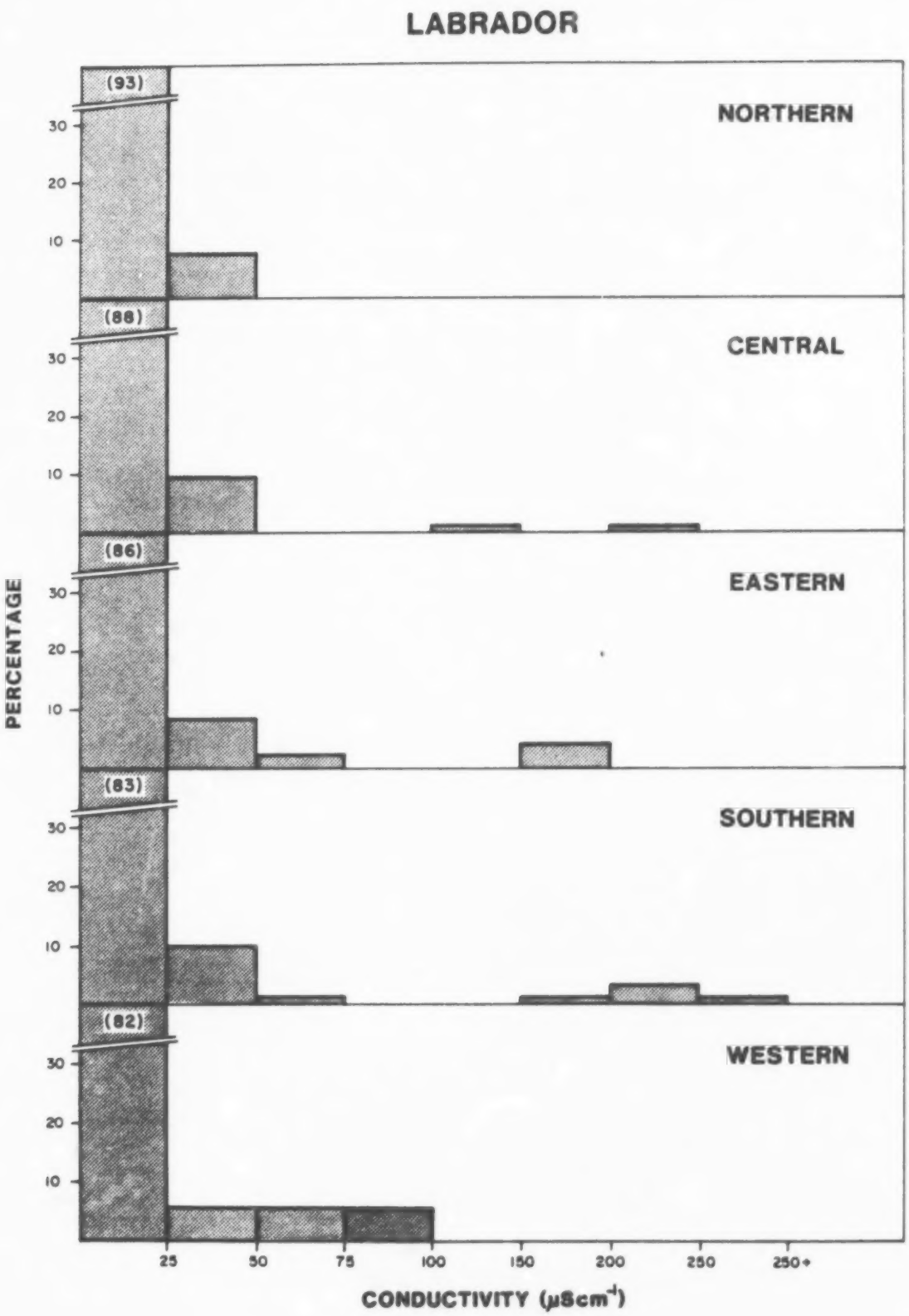

Fig. 7. Distribution of conductivity values by Region - Labrador.

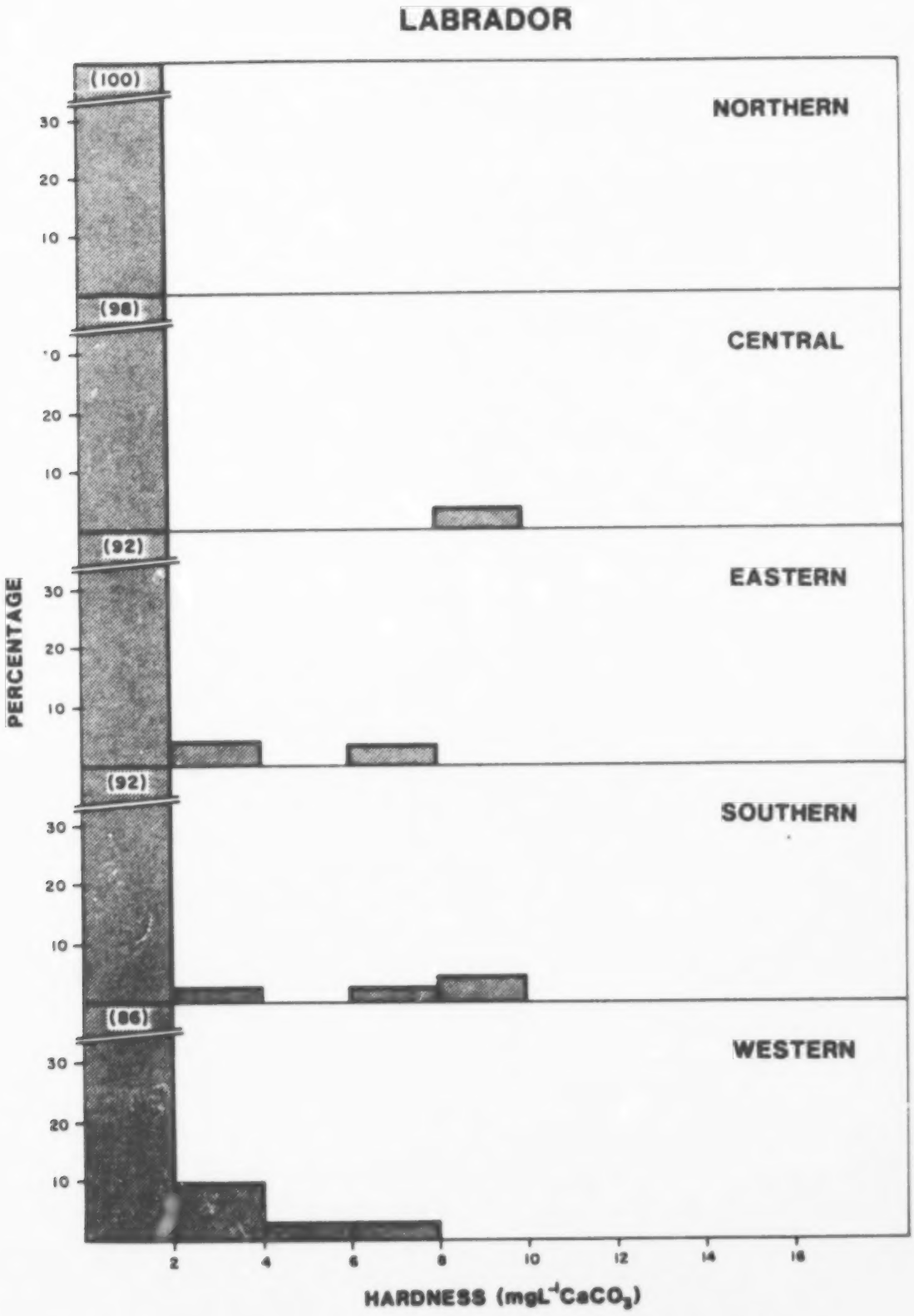

Fig. 8. Distribution of hardness values by Region - Labrador.

APPENDIX 8: CODING SPECIFICATIONS FOR WATER QUALITY DATA FILE

Field	Columns	Codes
River code	1-8(8)	See Waldron (1974)
Identifier	9-12(4)	See alphabetical station listing, Appendix 2
Submitting agency	13-14(2)	See Appendix 1
Geological formation	15-16(2)	[a]1. conglomerate, sandstone... 2. limestone, sandtone... 3. siltstone, quartzite 4. gnesiss, schist... 5. anorthosite... 6. granite 7. gabbro, diorite... 8. periodotite... 9. acidic to mafic volcanic... 10. uncertain... 11. acid volcanics... 12. basic volcanics... 13. gabbros and ultramafics...
Geographical Region	17-18(2)	[b]1. northern Newfoundland 2. central Newfoundland 3. eastern Newfoundland 4. Avalon Peninsula 5. southern Newfoundland 6. western Newfoundland 7. northern Labrador 8. central Labrador 9. eastern Labrador 10. southern Labrador 11. western Labrador
Water type	19(1)	River/stream = 1 Lake/pond = 2 Impounded reservoir = 3 Groundwater/well = 4 Unknown = blank
Latitude	20-25(6)	Degrees, minutes, seconds (00°00'00")

APPENDIX 8: (Cont'd.)

Field	Columns	Codes
Longitude	26-31(6)	Degrees, minutes, seconds (00°00'00")
Data type	32(1)	Data from single sample = 1 Average data = 2 [c]If average data (2) then leave fields 36-44 blank
Number of samples if averaged data	33-35(3)	Actual number of samples used to compute average data
Sample number	36-38(3)	Consecutive sample number (to be assigned by DFO) [c]If average data leave blank
Year	39-40(2)	1980 = 80
Month	41-42(2)	January = 01 December = 12
Day	43-44(2)	01-31 [c]If average data, leave year, month, day blank
Depth	45-47(3)	In meters to the nearest meter
pH	48-51(4)	In pH units to two decimal places (00.00)
Alkalinity	52-56(5)	In mg/ℓ ($CaCO_3$) to two decimal places (000.00)
Conductivity	57-61(5)	In μS/cm to two decimal places (000.00)
Hardness	62-66(6)	In mg/ℓ ($CaCO_3$) to two decimal places (000.00)

. . . Cont'd.

APPENDIX 8: (Cont'd.)

Field	Columns	Codes
Calcium	67-70(4)	In mg/ℓ to two decimal places (00.00)
Magnesium	71-74(4)	In mg/ℓ to two decimal places (00.00)
Sodium	75-78(4)	In mg/ℓ to two decimal places (00.00)
Chloride	79-82(4)	In mg/ℓ to two decimal places (00.00)
Sulphate	83-86(4)	In mg/ℓ to two decimal places (00.00)
Colour	87-89(3)	In T.C.U. or Hazen units
Potassium	90-93(4)	In mg/ℓ to two decimal plaes (00.00)
Bicarbonate	94-98(5)	In mg/ℓ to two decimal places (000.00)
Additional fields	99-499	Are available for coding additional water quality parameters. Once a field has been assigned it becomes fixed for all other data. New fields wil only be assigned by D. Scruton, Experimental Ecology Program

[a]See Geological Maps of Newfoundland and Labrador

[b]See Geographical and Statistical Section Maps at Newfoundland and Labrador.

[c]See instructions for average data.

Water Quality Data File - Coding Sheet

Fields	Columns				
River Code	1-8 (8)				
Station Number	9-12 (4)				
Submitting Agency	13-14 (2)				
Geological Formation	15-16 (2)				
Geographical Region	17-18 (2)				
Water Type	19 (1)				
Latitude	20-25 (6)				
Longitude	26-31 (6)				
Data Type	32 (1)				
No. of Samples, if Average Data	33-35 (3)				
Sample Number	36-38 (3)				
Year	39-40 (2)				
Month	41-42 (2)				
Day	43-44 (2)				
Depth (m)	45-47 (3)				
pH (00.00)	48-51 (4)				
Alkalinity (000.00, mg $L^{-1}CaCO_3$)	52-56 (5)				
Conductivity (000.00, µs/cm)	57-61 (5)				
Hardness (000.00, mg $L^{-1}CaCO_3$)	62-66 (5)				
Calcium (00.00, mg L^{-1})	67-70 (4)				
Magnesium (00.00, mg L^{-1})	71-74 (4)				
Sodium (00.00, mg L^{-1})	75-78 (4)				
Chloride (00.00, mg L^{-1})	79-82 (4)				
Sulphate (00.00, mg L^{-1})	83-86 (4)				
Colour (000, TCU)	87-89 (3)				
Potassium (00.00, mg L^{-1})	90-93 (4)				
Bicarbonate (000.00, mg L^{-1})	94-98 (5)				

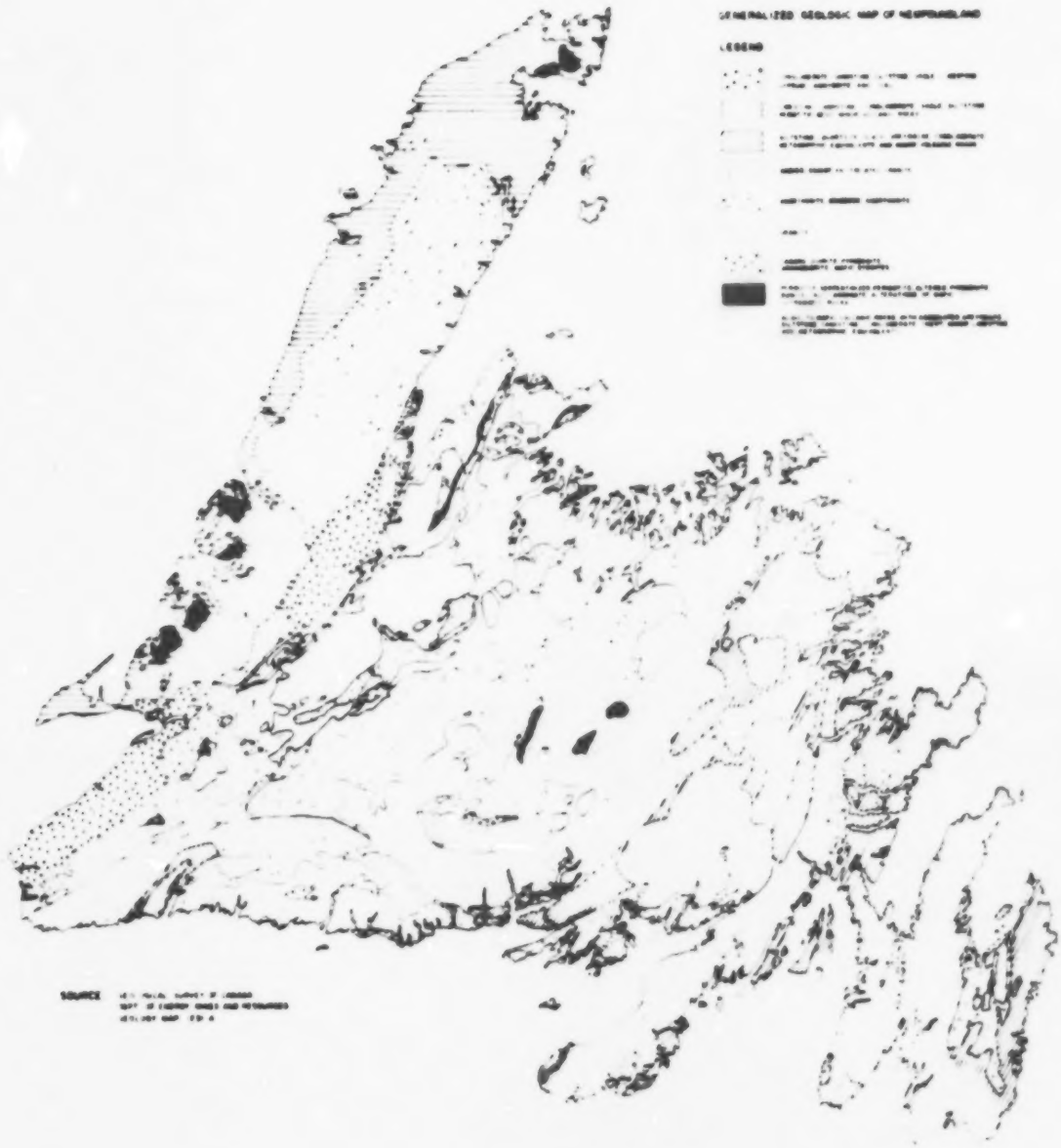

Fig. 1. Geological map of Insular Newfoundland.

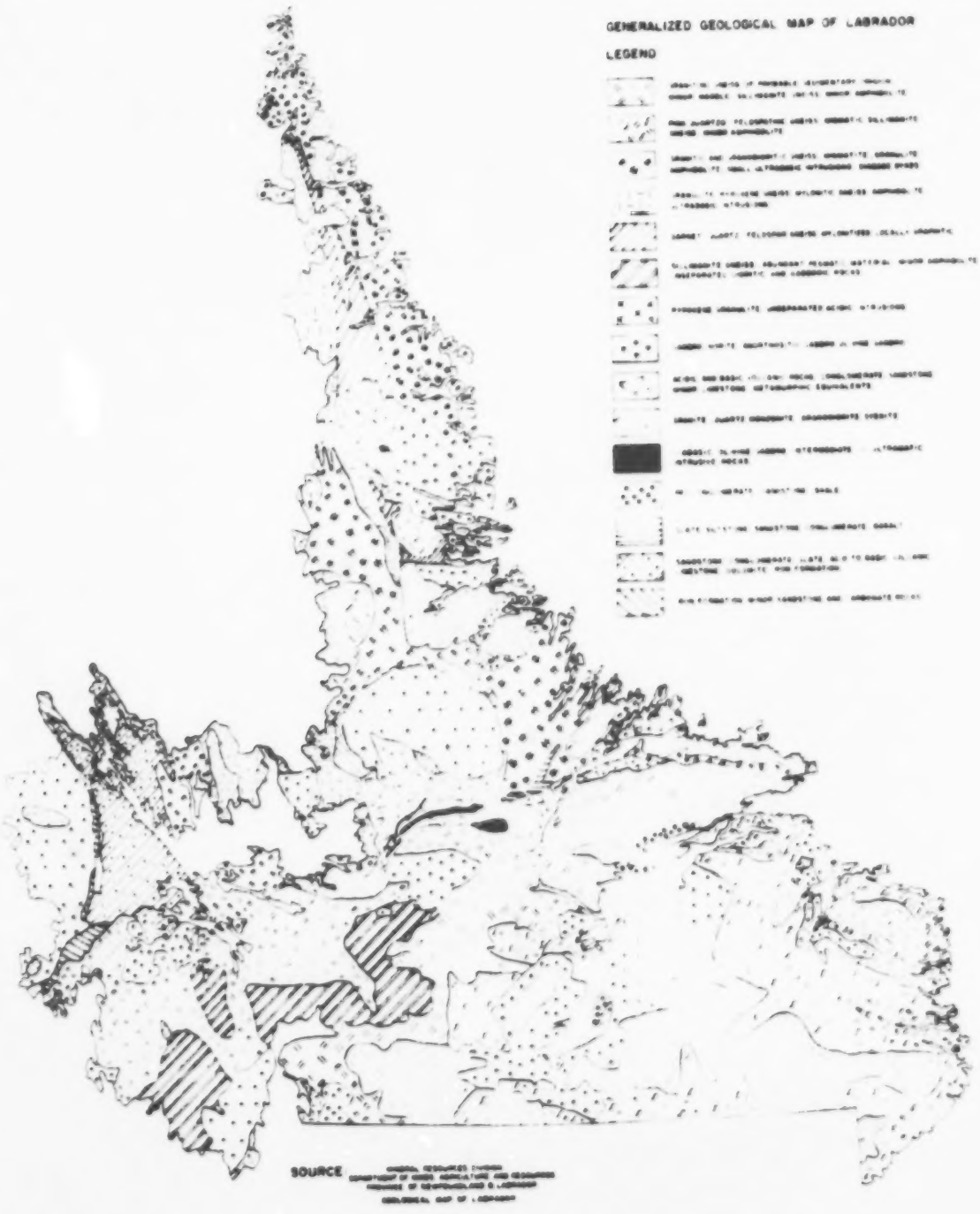

Fig. 2. Geological map of Labrador.

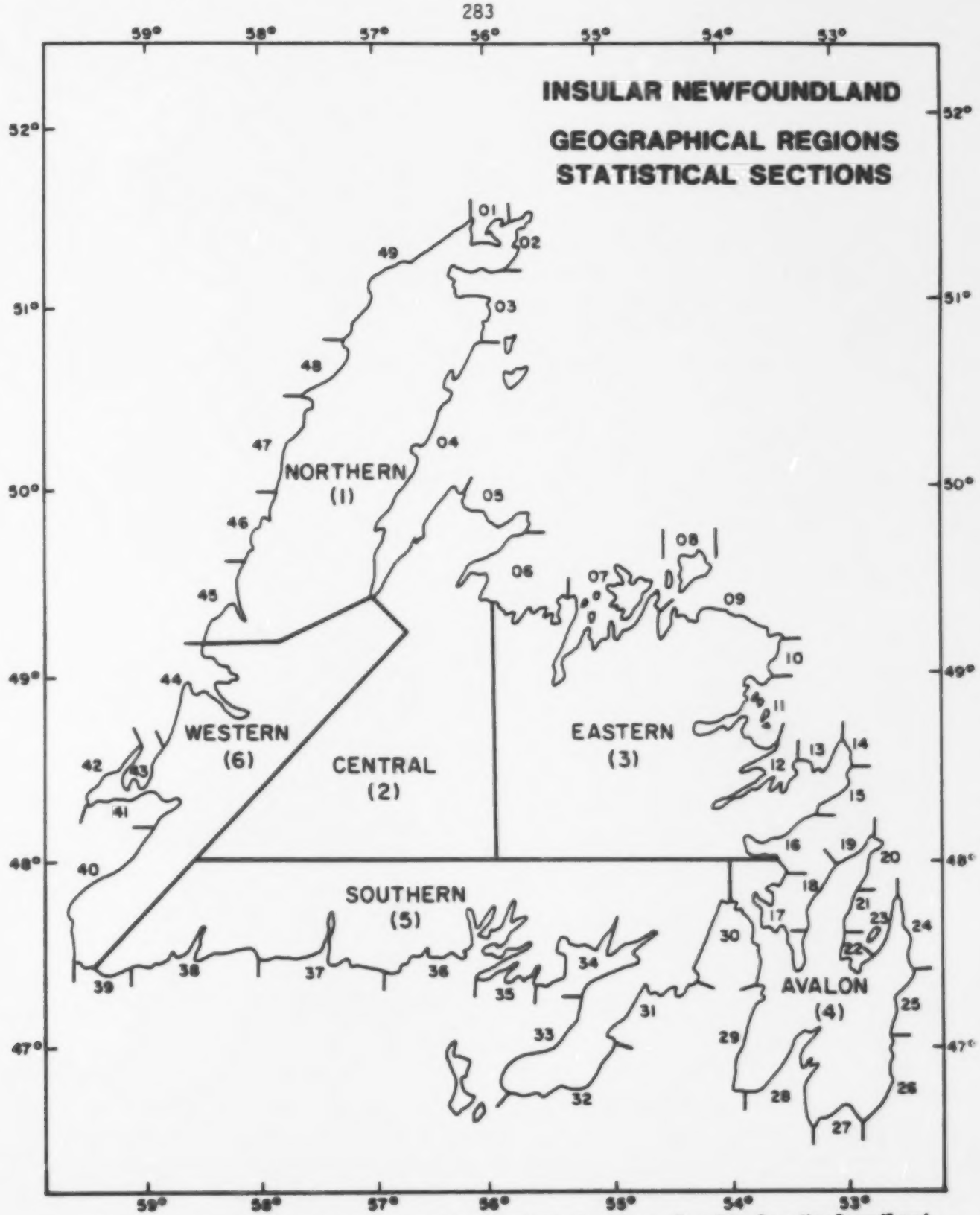

Fig. 3. Geographical Regions and Statistical Sections for Insular Newfoundland.

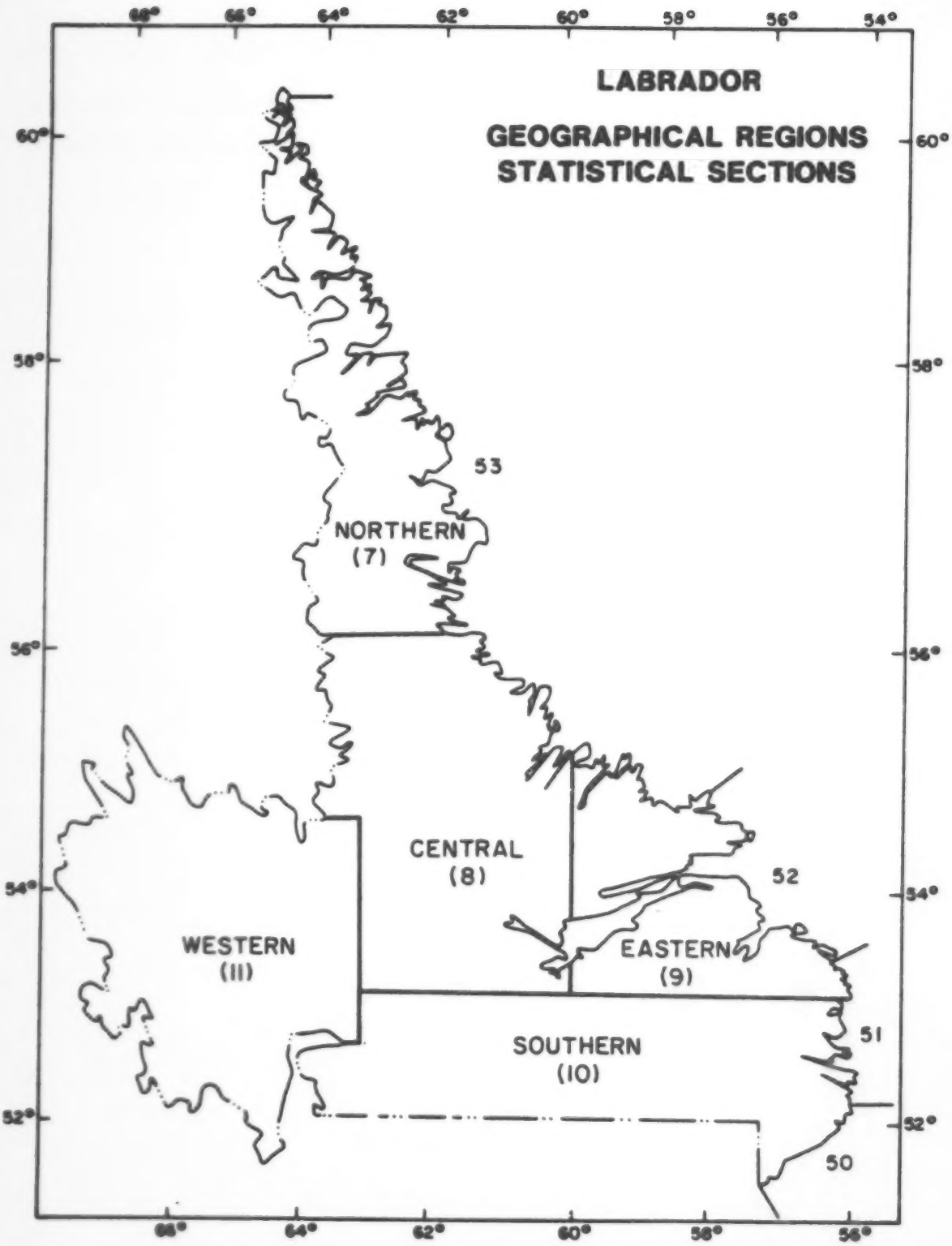

Fig. 4. Geographical Regions and Statistical Sections for Labrador.

POOR

QUALITY

ORIGINAL